



# FLORIDA MEMORIAL UNIVERSITY

## UNDERGRADUATE CATALOG 2011-2013

# UNDERGRADUATE CATALOG

## 2011-2013

*"Birthplace of "Lift Every Voice and Sing"*

### CATALOG 49

Florida Memorial University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097) Telephone number 404-679-4500 to award bachelor's and Master's degrees. The University is also chartered by the State of Florida



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## STATEMENT OF DISCLOSURE

The information contained in this catalog represents the current requirements, regulations, programs, fees and other charges of Florida Memorial University. Regulations and requirements stated herein, including fees and other charges, are subject to change without notice at the discretion of the Board of Trustees and the President of the University. The University further reserves the right to require a student to withdraw at any time as well as the right to impose probation on any student whose conduct is unsatisfactory. Admission based on false statements or documents will be voided. Credit will not be granted for classes taken under these circumstances. In addition, tuition or fees paid will not be refunded if a student is dismissed or suspended from the University for cause. Any balances owed the University are considered receivable and will be collected.

Florida Memorial University maintains a system of records which includes application forms, letters of recommendation, admission test scores, and student transcripts. Records are made available upon written request through the Office of the Registrar. Direct access and disclosure to a third party are prohibited by law. Access is given only upon written consent by the student or if required in legal matters. Disclosure of student records to parents is not prohibited if the student is listed as a dependent on the federal income tax form of the parent. A person does not have the right of access to educational records until he or she has been admitted and has actually begun attending Florida Memorial University.

Parents of dependent students will be provided a hearing by Florida Memorial University if they wish to challenge the contents of the record. If still not satisfied, the parents of dependent students may add explanatory or rebuttal materials to the record.

Florida Memorial University practices a policy of nondiscrimination in employment and admission. It is a policy of the University to provide equal opportunity to all persons without regard to race, religion, color, national origin, citizenship, age, sex, marital status, disabilities, labor organization membership, political affiliation, height, weight, and record of arrest without conviction.

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## TABLE OF CONTENTS

### GENERAL INFORMATION

Statement of Disclosure .....	iv
Academic Calendar .....	4

### UNIVERSITY INFORMATION

Institutional Statement of Purpose .....	10
Accreditations .....	11
Campus Facilities and Resources .....	14
Campus Directory .....	16
Requirements for Admission to the University .....	18
Financial Information .....	22
Freshmen and New/Transfer Student Orientation .....	29
Anti-Hazing Policy .....	30
Schedule of Tuition and Fees .....	32
Payment of Tuition and Fees .....	35
Exam Permit .....	36
Refund Schedule .....	37

### ACADEMIC INFORMATION

Academic Affairs .....	39
Degree Programs .....	40
Academic Standing .....	43
Graduation Requirements .....	49
Grading System and Quality Points .....	51
Grade Reports .....	52
Change of Grades .....	52
Academic Honors .....	53
Honor Societies .....	53
Add, Drop and Withdrawal .....	55
Academic Honor Code .....	57
University Library and Services .....	63
Freshman Studies .....	66
Testing Center Services .....	69
Core Curriculum .....	70
Honors Program .....	72

### ACADEMIC SCHOOLS

School of Arts & Sciences .....	74
School of Business .....	163
School of Education .....	178

COURSE DESCRIPTIONS .....	215
UNIVERSITY PERSONNEL .....	321
INDEX.....	334

## CAMPUS MAP

1. Main Entrance - A.B. Coleman Jr. Drive, Welcome Center
2. Lion Statue
3. Tennis Courts
4. J.T. Brown Residence Hall
5. A.B. Coleman Sr. Residence Hall
6. New Residential Halls
  - *Health Center*
7. R. Ray Goode Residence Hall
8. Willie C. Robinson Residence Hall
9. J.C. Sams Student Union
  - *Counseling Center*
  - *Student Publication*
10. William Lehman Aviation Center
11. Entrance Gate 2
12. James Weldon & J. Rosamond Johnson Fine Arts Building
13. Music Annex
14. Albert E. & Sadie B. Smith Dining Hall/Conference Center
15. FIU/FMU Cooperative Use Building
16. Celestine Dixon & Sarah Rice Fountain of Excellence
17. Lou Rawls Center for the Performing Arts
18. M. Athalie Range Science Hall
19. Athletic Annex
20. A. Chester Robinson Athletic Center
21. Entrance Gate 1
22. Harry T. Moore Memorial Baseball Field
23. Sarah A. Blocker Hall
24. Nathan W. Collier Library
25. Royal Puryear Administration Building
26. Central Energy Plant
27. Alumni Affairs
28. Human Resources
29. Church Relations
30. Andrew Anderson & Donald Bacon Service Center
31. Public & Governmental Affairs
32. Pre-College Outreach
33. Student Services Building
34. Susie C. Holley Religious Center



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## **2011-2013 ACADEMIC CALENDAR**

### **FALL SEMESTER, 2011**

#### **AUGUST**

- 11\* Faculty and Staff Conference/Workshops (All Offices will be closed unless otherwise indicated)
- 11\* Faculty Meeting (TBA)
- 12\* Faculty and Staff Workshops
- 12 Schools and Departmental Meetings (3:00 p.m. – 5:00 p.m.)
- 13 Residence Halls Open – NEW STUDENTS ONLY
- 13 New Student Campus Life Orientation Begins (Continues through 8/22)
- 15 Testing – NEW STUDENTS ONLY (2:00 p.m. – 5:00 p.m.)
- 16 Advising and Registration – NEW STUDENTS ONLY (9:00 a.m. - 5:00 p.m.)
- 16 ADJUNCT FACULTY ORIENTATION (6:00 p.m. - 8:00 p.m.)
- 17 Residence Halls Open - RETURNING STUDENTS
- 17 Advising and Registration – NEW STUDENTS ONLY (9:00 a.m. - 7:00 p.m.)
- 18 Late Registration Begins –\$50 fee (9:00 a.m. – 5:00 p.m.)  
(Returning students who did not register early will be assessed a \$50 fee.)
- 18 Add/Drop Begins - \$ 10 fee (9:00 a.m. - 5:00 p.m.)
- 19 MBA GRADUATE CLASSES BEGINS (SESSION A)
- 19 Late Registration - ALL STUDENTS – Main Campus (9:00 a.m. - 5:00 p.m.)
- 20 Late Registration Ends - ALL STUDENTS – Main Campus (9:00 a.m. - 1:00 p.m.)
- 20\* Purge (drop) students who have not cleared the Business Office (5:00 p.m.)
- 22 MSSED GRADUATE CLASSES BEGIN (SESSION A)
- 22 UNDERGRADUATE CLASSES BEGIN
- 27\* Add/Drop Ends - \$10 fee (9:00 a.m. – 1:00 pm)

#### **SEPTEMBER**

- 5 Labor Day (No Classes)
- 6 Classes Resume
- 7 Sophomore Year Experience Day
- 8 Fall Convocation
- 14 Senior Year Experience Day
- 28 Junior Year Experience Day

#### **OCTOBER**

##### **Major Orientation Month**

- 7 MBA GRADUATE CLASSES END (SESSION A)
- 8 MSSED GRADUATE CLASSES END (SESSION A)



## **OCTOBER (cont'd)**

- 3-8 Mid-Term Examinations (Exam Permit Required - See Student Accounts)**
- 10 MSED GRADUATE CLASSES BEGIN (SESSION B)
- 11 Mid-Term Grades Due
- 11 Hispanic Heritage Celebration
- 13 Honors and Awards Day (Fall 2010 and Spring 2011 Honorees)
- 13 MSED GRADUATE CLASSES BEGIN (SESSION B)
- 14 MBA GRADUATE CLASSES BEGIN (SESSION B)
- 15\* Coronation
- 15 Deadline for ordering caps and gowns for Fall 2011 Commencement

## **NOVEMBER**

- 1 Early Registration for Spring 2012: November 2 through December 16  
(Returning students who did not register early will be assessed a \$50 fee.)
- 4 Last Day to Withdraw from a course (WP/WF)
- 4 Deadline to Apply for Spring 2012 Commencement
- 4 Deadline to Pay \$200.00 Fee for Spring 2012 Commencement
- 24-27 Thanksgiving Recess
- 28 Classes Resume
- 28 Deadline to Remove Incomplete Grades from Spring & Summer 2011
- 28 Deadline for Credit by Examination
- 28 Last day to withdraw officially from the university
- 28 Last day to clear the Business Office for returning students who registered early for the Spring 2012

## **28-December 3 Final Examinations for Graduating Seniors**

## **DECEMBER**

- 2 Classes End
- 3 MSED GRADUATE CLASSES END (SESSION B)
- 3 Senior Exams End
- 3-9 Final Examinations (Exam Permit Required-See Students Accounts)**
- 4 Final Grades Due for Graduating Seniors by 12 MIDNIGHT
- 7 Commencement Rehearsal at 6:00 p.m.
- 8 Senior Banquet
- 9 Baccalaureate Services
- 9 MBA GRADUATE CLASSES END (SESSION B)
- 10 Fall 2011 Commencement
- 11 Residence Halls Close for Graduating Seniors at 5:00p.m.
- 12 Final Grades Due (All other Students) by 12 MIDNIGHT
- Dec. 18, 2011– Jan.2, 2012: CAMPUS CLOSED FOR THE HOLIDAY BREAK

## **SPRING SEMESTER, 2012**

### **JANUARY**

- 2 Residence Halls Open - ALL STUDENTS
- 2 New Student Orientation (2:00 p.m. – 4:00 p.m.)
- 3 Faculty/Staff Conference (8:30 a.m. to 1:00 p.m.)
- 3 Faculty Meeting (2:00 p.m. – 3:00 p.m.)
- 3 Schools and Departmental Meetings (3:30 p.m. – 5:00 p.m.)
- 3 Testing – NEW STUDENTS ONLY (2:00 p.m. – 5:00 p.m.)
- 4 Advising and Registration – NEW STUDENTS ONLY (9:00 a.m. – 7:00 p.m.)
- 5 Advising and Registration - ALL STUDENTS – MAIN CAMPUS (9:00 a.m. - 5:00 p.m.)
- 5 Late Registration Begins- \$50 fee (9:00 a.m. – 5:00 p.m.)  
(Returning students who did not register early will be assessed a \$50 fee at registration)
- 5 Add/Drop Begins- \$10 fee (9:00 a.m. – 5:00 p.m.)
- 6 Advising and Registration - ALL STUDENTS – MAIN CAMPUS (9:00 a.m. - 5:00 p.m.)
- 7 Late Registration Ends - ALL STUDENTS – Main Campus (9:00 a.m. - 1:00 p.m.)
- 7 Add/Drop Ends- \$10 fee (9:00 a.m. – 1:00 pm)
- 7 Purge (drop) students who have not cleared the Business Office. (2:00 p.m.)
- 9 UNDERGRADUATE CLASSES BEGIN
- 9 MSSED GRADUATE CLASSES BEGIN – (SESSION A)
- 13 MBA GRADUATE CLASSES BEGIN – (SESSION A)
- 16 Dr. Martin Luther King, Jr. Holiday (NO CLASSES)
- 17 Classes Resume

### **FEBRUARY**

#### **BLACK HISTORY MONTH - (PROGRAMS WILL BE HELD THROUGHOUT THE MONTH)**

- 5 -12 Homecoming Week
- 5 -12 Presidential Inauguration: Henry Lewis III, Pharm.D.
- 14 Deadline to Apply for Summer 2012 Graduation
- 14 Deadline to Pay \$200.00 Fee for Summer 2012 Graduation
- 27 MSSED GRADUATE CLASSES END - (SESSION A)
- 27 – March 3 Mid-Term Examinations: (Exam Permit Required – See Student Accounts)**

### **MARCH**

- 2 MBA GRADUATE CLASSES END - (SESSION A)
- 5-10 SPRING BREAK
- 12 Classes Resume
- 12 MSSED GRADUATE CLASSES BEGIN – (SESSION B)
- 12 Mid-Term Grades Due – 12:00 Noon
- 15 Founders' Day
- 16 Annual Employee Recognition Luncheon
- 16 MBA GRADUATE CLASSES BEGINS – (SESSION B)

**MARCH (cont'd)**

- 20 Deadline for ordering caps and gowns for Spring 2012 Commencement
- 23 Last Day to Withdraw from a course (WP/WF)
- 23 Faculty Senate Conference & Luncheon
- 26 Early Registration for Summer & Fall 2012 Begins  
(Returning students who did not register early will be assessed a \$50 fee)

**APRIL**

- 5 Research and Performing Arts Day
- 6 Good Friday (NO CLASSES)
- 13 Deadline for Credit-by-Examinations
- 13 Deadline to Remove Incomplete Grades from Fall 2011
- 13 Last day to withdraw officially from the university
- 13 Deadline to Apply for Fall 2012 Commencement
- 13 Deadline to Pay \$200.00 Fee for Fall 2012 Commencement
- 20 Last Day of UNDERGRADUATE CLASSES
- 23 – 28 Final Examinations (Exam Permit Required – See Student Accounts)**
- 27 MS&ED GRADUATE CLASSES END – (SESSION B)
- 28 MBA GRADUATE CLASSES END – (SESSION B)
- 29 Final Grades Due for Graduating Seniors by 12 Midnight

**MAY**

- 2 Final Grades Due (All other Students) by 12 MIDNIGHT
- 2 Commencement Rehearsal at 6:00 p.m.
- 3 Senior Banquet
- 4 Baccalaureate Services
- 5 Spring 2012 Commencement
- 6 Residence Halls Close at 5:00 p.m.

**SUMMER SESSION A, 2012 - May 16<sup>th</sup> through June 19<sup>th</sup>****MAY**

- 10 Residence Halls Open
- 10 Registration (9:00 a.m. – 5:00 p.m.)  
(Returning students who did not register early will be assessed a \$50 fee.)
- 10 Add/Drop Begins - \$10 fee (9:00 a.m. – 5:00 p.m.)
- 11 MBA GRADUATE CLASSES BEGIN – (SUMMER SESSION A)
- 11 Late Registration Ends (9:00 a.m. – 5:00 p.m.)
- 11 Add/Drop Ends (9:00 a.m. – 5:00 p.m.)
- 14 MS&ED GRADUATE CLASSES BEGIN
- 14 UNDERGRADUATE CLASSES BEGIN
- 28 Memorial Day (HOLIDAY)
- 29 Classes Resume
- 29 Last day to Withdraw from a course (WP/WF)

**JUNE**

- 8 Last day to withdraw officially from the university
- 9 MBA GRADUATE CLASSES END – (SUMMER SESSION A)
- 11-14 Final Examinations (Exam Permit Required - See Student Accounts)**
- 14 Last day of classes for Session A (UNDERGRADUATE)
- 15 MBA GRADUATE CLASSES BEGIN – (SUMMER SESSION B)

**SUMMER SESSION B, 2012 - June 20<sup>th</sup> through July 22<sup>nd</sup>****JUNE**

- 17 Residence Halls Open
- 18 Registration (9:00 a.m. – 5:30 p.m.)
- 18 Add/Drop Begins - \$10 fee (9:00 a.m. – 5:30 p.m.)
- 18 Final Grades Due by 6:00 p.m. - Session A
- 18 UNDERGRADUATE CLASSES BEGIN
- 19 Add/Drop Ends - \$10 fee (9:00 a.m. – 5:30 p.m.)
- 19 Late Registration Ends (9:00 a.m. – 5:30 p.m.)  
(Returning students who did not register early will be assessed a \$50 fee.)
- 29 MS&ED GRADUATE CLASSES END

**JULY**

- 4 Independence Day (NO CLASSES)
- 5 Classes Resume
- 5 Last day to withdraw from a course (WP/WF)
- 5 Last day to withdraw officially from the university
- 14 MBA GRADUATE CLASSES END – (SUMMER SESSION B)
- 16 Residence Halls Close at 5:00 p.m.
- 16-19 Final Examinations (Exam Permit Required - See Student Accounts)**
- 19 Last day of classes for Session B (UNDERGRADUATE)
- 25 Final Grades Due by 6:00 p.m. - Session B

**SUMMER SESSION C, 2012 - May 16<sup>th</sup> – July 16<sup>th</sup>****MAY**

- 10 Residence Halls Open
- 10 Registration (9:00 a.m. – 5:00 p.m.)  
(Returning students who did not register early will be assessed a \$50 fee.)
- 10 Add/Drop Begins - \$10 fee (9:00 a.m. – 5:00 p.m.)
- 11 Late Registration Ends (9:00 a.m. – 5:00 p.m.)
- 11 Add/Drop Ends (9:00 a.m. – 5:00 p.m.)
- 14 UNDERGRADUATE CLASSES BEGIN
- 28 Memorial Day (HOLIDAY)

**JUNE**

- 21 Last day to Withdraw from a course (WP/WF)

**JULY**

- 5 Last day to withdraw officially from the university
- 9-12 Final Examinations (Exam Permit Required - See Student Accounts)**
- 12 Last day of classes for Session C (UNDERGRADUATE)
- 17 Final Grades Due for Session C by 6:00 p.m.

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## **FLORIDA MEMORIAL UNIVERSITY'S MISSION**

### **STATEMENT OF PURPOSE**

Florida Memorial University serves a culturally diverse student population through programs in liberal and professional education. These programs are designed to prepare students to function in a highly competitive, technological and global society. Challenging educational opportunities are offered in a variety of instructional formats to traditional and non-traditional students. Internships and experiential learning programs are incorporated in an energetic learner-centered environment. Academic programs are supported by library services, information technology, academic advising, testing, developmental education, career development, counseling, intramurals, intercollegiate sports, student activities, and other support services.

Florida Memorial University is dedicated to academic excellence, to the pursuit of knowledge and truth, to the free exchange of ideas, and to the transmission and preservation of African-American history and heritage. The University recognizes that education contributes to the quality of life and expects that students will leave its community of scholars and traditions prepared to participate fully in a global society.

### **MISSION STATEMENT**

Florida Memorial University endeavors to instill in students the importance of becoming global citizens through life-long learning, leadership, character, and service which will enhance their lives and the lives of others.

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## ACCREDITATION

Florida Memorial University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097) Telephone number (404-679- 4500) to award bachelor's and master's degrees. The University is also chartered by the State of Florida.

### **ACBSP ACCREDITED**

#### **School of Business**

Florida Memorial University, through its School of Business, is accredited by the Association of Collegiate Business Schools and Programs (ACBSP) to offer the following business degrees:

- The Bachelor of Science in Accounting
- The Bachelor of Science in Business Administration
- The Bachelor of Science in Finance
- The Bachelor of Science in Marketing

### **CSWE ACCREDITED**

#### **School of Arts and Science**

Florida Memorial University, through its Social Work Program, is accredited by the Council on Social Work Education (CSWE) to offer the following degree:

- The Bachelor of Social Work

### **ABET ACCREDITED**

#### **School of Arts and Sciences**

Florida Memorial University, through its Department of Computer Science, Math and Technology is accredited by the ABET to offer the following degree program:

- The Bachelor of Science in Computer Information Systems

## **NASM ACCREDITED**

### **School of Arts and Sciences**

Florida Memorial University, through its Department of Visual and Performing Arts, is accredited by National Association of Schools of Music (NASM).

- The Bachelor of Music in Church Music
- The Bachelor of Music in Jazz Studies
- The Bachelor of Arts in Music

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## **MEMBERSHIPS AND AFFILIATIONS**

American Association of Collegiate Registrars and Admissions Officers (AACRAO)

American Association for Higher Education

American Council on Education

American Library Association (ALA)

Association of College and Research Libraries (ACRL)

Association of Collegiate Business Schools and Programs (ACBSP)

Association of Fundraising Professionals

Black Caucus of the American Library Association (BCALA)

Council for Higher Education Accreditation

Council of Independent Colleges

Florida Association for Students Financial Aid Administrators

Florida Association of Colleges and Universities

Florida Association of Colleges for Teacher Education

Florida Cooperative Education and Placement Association

Florida Independent College Fund

Greater Miami Chamber of Commerce

Independent Colleges and Universities of Florida

Miami-Dade Chamber of Commerce

National Association for Students Financial Aid Administrators

National Association of College Deans, Registrars, and Admission Officers

National Athletic Intercollegiate Association

National Council of Educational Opportunity Associations

National Intramural/Recreation Sports Association

National Society of Fundraising Executives

Public Relations Society of America

Southeast Florida Library Information Network (SEFLIN)

Southeastern Association of Colleges and Employers

Southeastern Library Network (SOLINET)



Southeastern Testing Association

Southern Association for Students Financial Aid Administrators

Southern Association of College Student Affairs

Southern Association of Educational Opportunity Personnel Program

Southern Regional Honors Council

Sun Coast Conference

The College Fund/UNCF

United Way

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## **CAMPUS FACILITIES AND RESOURCES**

The campus, surrounding a quiet lake, is situated on a spacious 50-acre site in Miami Gardens just north of the Opa-Locka Airport. The Palmetto Expressway (SR 826) is close by, offering easy access to I-95, I-75, and the Florida Turnpike. The campus complex is comprised of a cluster of modern air-conditioned buildings. Each building is less than a three-minute walk from the farthest point on campus.

### **ANDREW ANDERSON AND DONALD BACON SERVICE CENTER**

This one-story complex houses the offices of purchasing, facilities management and administrative services, and the Duplication Center.

### **SARAH A. BLOCKER HALL**

This two-story building houses the staff of the Freshman Studies Department, faculty of the Department of Humanities, classrooms, and the offices of various support services. There are multiple laboratories: The Mathematics Resource Center, the Academic Skills Laboratory and the Writing Center. The Center for Advisement and Retention and the Testing Center are also located in the facility.

### **CENTRAL ENERGY PLANT**

This Facility houses the general maintenance department and a 3,300 sq. ft. air conditioning system of the university.

### **NATHAN W. COLLIER LIBRARY**

The Nathan W. Collier Library is located at the center of the Florida Memorial University campus. The library is an attractive two-level structure, with approximately 25,000 square feet of floor space with a reading room on each level, a Group Study Room and two information Commons housing 41 computer terminals. The seating capacity is over 500. The library collection is composed of over 127,000 volumes, e-books, over 50 web-based Full-Text Databases that provide access to the thousands of scholarly journals and newspapers and 450 subscriptions to print journals in support of the academic programs. The library utilizes the Millennium Integrated Library System and it is an associate member of the Southeast Florida Library Information Network (SEFLIN). Through the SEFLIN consortium, students, faculty members and staff share book borrowing with member institutions.

## **FLORIDA INTERNATIONAL UNIVERSITY/FLORIDA MEMORIAL UNIVERSITY COOPERATIVE JOINT USE FACILITY**

This facility houses the Schools of Arts and Sciences, Education and School of Education Graduate Programs, including deans and faculty offices, as well as state-of-the-art technology-enhanced classrooms, laboratories, a 200 seat auditorium, and two conference rooms.

## **SUSIE C. HOLLEY RELIGIOUS CENTER**

The Susie C. Holley Religious Center houses a chapel with seating for 600. The building also includes classroom space for religion and philosophy, and the offices of the Campus Minister and other religion and philosophy faculty.

## **JAMES WELDON AND ROSAMOND JOHNSON FINE ARTS BUILDING**

This facility houses the Department of Visual & Performing Arts classrooms, practice rooms for piano, organ, and other instruments, rehearsal rooms for band and choir, an art studio, an amphitheater for open-air concerts, and offices for faculty.

## **WILLIAM LEHMAN AVIATION CENTER**

This facility, named in honor of the late Congressman William Lehman, is a three-story, state-of-the-art complex. It contains modern spacious classrooms and laboratories, simulation trainers for the School of Aviation, a board join room, 200-seat auditorium with satellite downlink, electronic classrooms, Offices of the Provost, Interim Director for Information Management and Technology, Director of Grants and Sponsored Research, Director of Institutional Research, and School Business, Departments of Aviation and Safety, Computer Sciences and Mathematics and Technology, faculty offices, and an aviation education resource center.

## **ROYAL W. PURYEAR ADMINISTRATION BUILDING**

This facility houses the office of the President and the boardroom, the offices of the Vice-President for Business and Fiscal Affairs, the Vice- President for Institutional Advancement, and the central telephone switchboard.

## **M. ATHALIE RANGE SCIENCE HALL**

This two-story building is the home of the Department of Health and Natural Sciences. Laboratories for the biology, chemistry, and physics programs are major features of this building. Space is also provided for an electronic classroom, as well as faculty offices, with adjoining laboratories to accommodate research and scientific experiments.

## **LOU RAWLS CENTER FOR THE PERFORMING ARTS**

This 12 million dollar state-of-the-art facility houses the Matthew W. Gilbert 450 seat auditorium used for dramatic and musical productions, lectures, and assemblies.

## **A. CHESTER ROBINSON ATHLETIC CENTER**

The University gymnasium has a floor space of 1080 square feet for basketball, volleyball, indoor tennis, and other indoor sports. Adjoining the gymnasium is an L-shaped, 80 X 53 X 77-foot swimming pool for instruction and recreation.

## **RESIDENCE HALLS**

**J. T. Brown** – Used primarily by Freshmen males, this residence hall contains individual rooms, recreation and study lounges, laundry room, storage room, and space for the residence hall director.

**A. B. Coleman, Sr.** – Upper-class male students are assigned to Coleman Hall; this resident hall contains individual rooms, recreation and study lounges, laundry room, storage room, and space for the residence hall director.

**Ray Goode** – Used primarily to accommodate first-year female students, Goode Hall contains individual rooms, recreation and study lounges, laundry room, storage room, and space for the residence hall director.

**Willie C. Robinson** – Used to accommodate upper-class female students, this residence hall contains individual rooms, recreation and study lounges, laundry room, storage room, and space for the residence hall director.

**Two Male Residence Halls** (Building #1 and Building #3); these residence halls for males will contain suite-style rooms (private and semi-private) with bathrooms and kitchenettes, recreation and game rooms, fitness rooms, media rooms, multifunction reception rooms, study rooms, computer rooms, student lounges, laundry rooms, and rooms for vending machines.

**Two Female Residence Halls** (Building #2 and Building #4); these residence halls for females will contain suite-style rooms (private and semi-private) with bathrooms and kitchenettes, recreation and game rooms, fitness rooms, media rooms, multifunction reception rooms, study rooms, computer rooms, student lounges, laundry rooms, and rooms for vending machines. In addition, Building # 2, will also have a smart classroom.

## **J. C. SAMS ACTIVITY CENTER**

The J.C. Sams Activity Center is situated by the campus lake. It contains the bookstore, counseling center, the university mailing center, school publication, game and entertainment rooms, the Sub Shop, meeting and conference rooms, space for social and cultural activities and an adjoining lakeside patio.

## ALBERT E. AND SADIE B. SMITH DINING HALL AND CONFERENCE CENTER

The Albert E. and Sadie B. Smith Dining Hall and Conference Center opened in August, 2002. The Conference Center and Banquet Hall can accommodate 400 people or be divided into three areas of 133 people each. The Dining Hall can seat 560 people and has two serving areas.

## STUDENT SERVICES BUILDING

This one-story complex houses the offices of the Vice President for Student Affairs, Enrollment Management, Admissions, Financial Aid, Residential Life, Student Support Services, the University Registrar, Career Development, Student Accounts, and the Office of the Bursar.

## OFF-CAMPUS SITE

Florida Memorial University services the citizens of Broward County with our off-campus site located at 4620 North State Road 7, Building H, Suite 200, Lauderdale Lakes, FL 33319, telephone (954) 714-2442. Students may select general education and many upper-level courses.

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## CAMPUS DIRECTORY

<b>Campus Address</b>	15800 NW 42nd Ave. Miami Gardens, Florida 33054
<b>Campus Number:</b>	(305) 626-3600
<b>Campus Fax:</b>	(305) 626-3769
<b>Center for Advisement and Retention</b>	(305) 623-4231
<b>Academic Affairs Office</b>	(305) 623-4223
<b>Academic Schools</b>	
<b>School of Arts and Sciences</b>	
<b>Department of</b>	
<i>Aviation &amp; Safety</i>	(305) 623-1440
<i>Computer Sciences &amp; Mathematics</i>	(305) 623-4100
<i>Social Sciences</i>	(305) 623-1408
<i>Health and Natural Sciences</i>	(305) 626-3699
<i>Humanities</i>	(305) 626-3128
<i>Visual and Performing Arts</i>	(305) 626-3683
<b>School of Business</b>	(305) 623-4288
<i>Graduate Program (MBA)</i>	(305) 626-3629
<b>School of Education</b>	(305) 623-4279
<i>Graduate Programs (MSED)</i>	(305) 623-4280
<b>Admissions</b>	(305) 626-3758
E-mail address: <a href="mailto:admit@fmuniv.edu">admit@fmuniv.edu</a>	

<b>Alumni Affairs</b>	(305) 626-3657
<b>Athletic Department</b>	(305) 626-3166
<b>Bookstore</b>	(305) 626-3726
<b>Career Placement Office</b>	(305) 626-3782
<b>Counseling Office</b>	(305) 626-3138
<b>Dean of Students</b>	(305) 626-0913
<b>Financial Aid</b>	(305) 626-3742
<b>Fiscal Affairs</b>	(305) 626-3623
<i>University Bursar</i>	(305) 626-3739
<b>Freshman Studies</b>	(305) 626-3662
<b>Health Clinic</b>	(305) 626-3760
<b>Housing</b>	(305) 626-3718
<b>Institutional Advancement</b>	(305) 626-3608
<b>International Students</b>	(305) 626-3751
<b>Library</b>	(305) 626-3641
<b>Public Relations</b>	(305) 626-3624
<b>Registrar</b>	(305) 626-3752
<i>Transcripts</i>	
<i>Transfer Credits</i>	
<i>Veteran Affairs</i>	
<b>Security</b>	(305) 626-3771
<b>Student Activities</b>	(305) 626-3715
<b>Student Affairs</b>	(305) 626-3710
<b>Student Support Services</b>	(305) 626-3721
<b>Testing</b>	(305) 626-3775

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## STUDENT AFFAIRS

### ADMISSIONS

#### REQUIREMENTS FOR ADMISSIONS TO THE UNIVERSITY

Florida Memorial University welcomes applications from men and women regardless of race color, sex, religion, age, or handicap. Our Admission decisions are based primarily on an applicant's academic promise as demonstrated by academic preparation, recommendation letter(s), personal statement, and SAT or ACT scores.

##### A. *FRESHMEN APPLICANTS*

1. Submit Application and Non Refundable Application of Fee \$25.00

Application is available online at <http://www.fmuniv.edu/home/admissions>

2. Admissions Test Scores

Applicants should submit SAT or ACT scores. Test scores are used for advisement and placement purposes for first-time college applicants.

3. High School Transcript

Graduation from an accredited high school or the equivalent (GED) is required. A student's high school preparation should include units in the following core areas:

English	4 Units ( <i>3 with substantial writing</i> )
Mathematics	3 Units ( <i>Algebra I and above</i> )
Natural Science	3 Units ( <i>2 with lab</i> )
Social Science	3 Units
Foreign Language	2 Units ( <i>in the same language</i> )
Approved Electives	4 units.

4. Other Admissions Requirements

The applicants must also submit the following to be considered for admission:

- At least one letter of recommendation
- A personal statement.

##### B. *TRANSFER APPLICANTS*

Students transferring to Florida Memorial University from another college or university are admitted on the basis of credits and grade point average earned in course work at the collegiate level.

1. Grade Point Average

Transfer students must have earned a minimum cumulative grade point average of 2.0 in collegiate course work. However, grade point averages do not transfer to Florida Memorial University.

2. Transfer Students from Community Colleges.

Transfer applicants who possess the Associate of Arts (AA) degree from regionally accredited junior, community or four-year colleges at the time they are admitted to Florida Memorial University will be accepted as juniors, with the understanding that some prerequisite work may be required to fulfill degree requirements in their major at Florida Memorial University. Course work for students who enroll without the AA degree will be evaluated on a course-by-course basis.

3. Definition of Credit Hour

Florida Memorial University defines one academic credit hour to be 700 minutes of instruction per term, excluding final examinations, for regular lecture courses. Laboratory, internship, studio music, practicum, and certain other types of courses may be assigned credit hours that are different from the contact time, based on the type of instructional delivery.

4. Transfer Credits

In order to fulfill its mission to serve a culturally diverse student population and to prepare students to function in a highly competitive, technological, and global society, Florida Memorial University seeks to make transfer of credit easier for students, while continuing to honor its obligation to maintain academic quality and integrity. Therefore, Florida Memorial University accepts courses earned at other post-secondary institutions, provided that:

- The grade earned for these courses is a "C" or higher;
- The courses represent collegiate coursework relevant to the degree program being pursued at Florida Memorial University;
- The course content, level of instruction, and resulting competencies are equivalent to those of students enrolled at Florida Memorial University; and
- All official transcripts are submitted to the University for evaluation prior to the transfer student's admission to the University.

A maximum of 90 credits total may be transferred to Florida Memorial University. The school's dean and the Provost must approve all transfer credits used toward a degree. A minimum of 25% of the credit hours required for a student's degree must be earned by instruction at Florida Memorial University.



## TRANSFER CREDITS FROM INTERNATIONAL INSTITUTIONS

Postsecondary credits earned by international students at colleges and universities which pattern themselves after the British or other non-American education systems must be evaluated by an external transcript evaluation organization approved by Florida Memorial University.

### *C. International Applicants*

International students are admitted on the basis of high school work. International students must meet the requirements of the University as stated in the previous section and comply with the following.

#### High School Transcripts

An international applicant must have graduated from a high school or secondary school. An official transcript and/or original diploma are required.

#### 1. High School Work

International students who studied in the British educational system should have passed a minimum of five (5) subjects at the ordinary level in the General Certificate Examination or its equivalent, including English and mathematics. If student transcripts are not in English, students will also need to submit an official translation of their transcripts. Evaluations must be conducted through a member of the National Association of Credential Evaluation Services (NACES) Organization or the recommended agencies below:

#### **Josef Silny & Associates**

7101 SW 102 Avenue  
Miami, FL 33171  
Tel: (305) 273-1616  
Fax: (305) 273-1338  
<http://www.silny.com> or email [info@jsilny.com](mailto:info@jsilny.com)

#### **World Education Services**

P. O. Box 745  
New York, NY 10113-0745  
(212) 966-6311  
<http://www.wes.org> or email [info@wes.org](mailto:info@wes.org)

#### **Educational Credential Evaluators, Inc.**

P.O. Box 514070  
Milwaukee, WI 53203-3470  
Phone: (414) 289-3400  
[www.ece.org](http://www.ece.org)

2. Language Requirement

If a student's native language is not English, proficiency in English must be established by a satisfactory TOEFL score (500 written /173 Computer /60 Internet).

3. Standardized Test Scores

International students should submit scores from either the Scholastic Aptitude Test (SAT) or the American College Test (ACT).

International Transfer Students must meet the requirements of the University as stated in the previous section and comply with the following:

1. Follow United States Citizenship and Immigration Services regulations regarding transfer of schools
2. Complete and provide International Student Advisor with Transfer Release Form if transferring from another U.S. School
3. Complete the Financial Statement of Support.

**D. *ADVANCED PLACEMENT***

Florida Memorial University is an approved participant in the College Board's Advanced Placement Program. Students whose Advanced Placement scores meet the criteria as set forth in each academic area will receive university credit for courses covering similar material.

**E. *INTERNATIONAL BACCALAUREATE***

Florida Memorial University recognizes and gives college credit to students who successfully complete the International Baccalaureate examinations with grades of 4 or higher. An official IB transcript is required and must be sent directly from the International Baccalaureate Office.

**F. *EARLY ADMISSION***

Florida Memorial University grants early admission to exceptional high school students who meet the following criteria:

1. Earned a minimum high school grade point average of 3.0
2. Scored 1000 or more on the SAT or 21 or more on the ACT.
3. Submitted three letters or recommendation from high school officials such as a principal, counselor, and teacher.

## **CONDITIONAL ADMISSION**

Admission consideration may be given to students who do not meet the admission standards as stated above. Such students may be admitted conditionally.

## **RE-ADMISSION TO THE UNIVERSITY**

Students whose enrollment at Florida Memorial University is interrupted for more than one semester are required to submit an application for readmission. The application must be sent to the Office of Admissions. Students placed on academic suspension must sit out one semester (fall or spring) before eligibility for readmission is restored.

Students in good academic standing who voluntarily withdraw from the University for one or more academic years are required to apply for readmission. A student must satisfy the degree requirements for graduation stated in the university catalog for the academic year in which the student is readmitted.

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## **FINANCIAL AID**

Financial Aid is money in the form of scholarships, grants, work-study (part-time on campus employment to be used solely for school-related expenses), and loans awarded to assist students who otherwise would not be able to afford the cost of attending college. Financial Aid is awarded according to an individual's financial need and/or academic excellence.

The Office of Financial Aid is located in the Student Services Building, Suite 159. Its primary objective is to ensure available funds are provided to eligible students in order that they may have access to a Florida Memorial University education.

The University expects the family (parents and students) to assume the primary responsibility for financing the cost of attending college. We recognize that most families need assistance. The amount of help needed is determined by calculating the family's ability to pay. That amount, called the estimated family contribution (EFC), plus other outside funds that may be available to the student, is subtracted from the allowable cost of attendance. The resulting difference is called "Financial Need."

We normally package (or combine), the various forms of financial aid in the following order: scholarships, grants, work-study and loans. Funds are limited and students are encouraged to apply early for financial aid.

### **How Soon to Apply**

Applications are available beginning January 1st each year, and families are encouraged to apply early for financial aid. Some programs handled by the Office of Financial Aid have very early priority dates. Students applying on or before these dates are given priority for the program. Those who apply after these dates are considered late and will only be eligible for these programs if additional funds become available.

### **Student Alert**

Applications for financial aid will be considered when **ALL** required documents are received. To be considered for the majority of programs, students are advised to begin applying in January of the year they wish to start school and have ALL required documents submitted by April 1<sup>st</sup> of that same year.

### **Distribution of Funds**

Based on the information provided on the FAFSA by the student and parents, the Office of Financial Aid at Florida Memorial University will determine which funds the student is eligible to receive. An applicant must (1) show financial need, (2) be accepted or enrolled as a full-time student in an eligible program, (3) be a U.S. citizen or permanent resident, (4) be capable of maintaining a satisfactory academic standing and normal progress toward a degree, (5) be registered with the Selective Service if required to do so, and (6) have not defaulted on any previous aid.

### **Important Notice**

Financial Aid is distributed the first week *after* the drop/add period has ended. Only students with completed financial aid files will have their aid distributed.

### **Evaluation and Awarding Process**

The Office of Financial Aid will determine the student's allowable educational expenses and the expected family resources. The difference between the two is the demonstrated need. Florida Memorial University will try to provide financial aid for all or a portion of the demonstrated need in the form of an *Award Letter* consisting of grants, scholarships, work-study, and loans.

### **Satisfactory Academic Progress**

Federal regulations require the University to establish satisfactory academic progress for the receipt of Title IV Student Financial Aid. Two major components are evaluated in the determination of satisfactory academic progress:

1. The qualitative component is the student's Grade Point Average (GPA) displayed on the academic transcript.
2. The quantitative component is the maximum timeframe in which a student is expected to complete his/her degree program.

Florida Memorial University Office of Financial Aid reviews student records on an annual basis at the end of the academic year. Students who do not achieve satisfactory academic progress, will be notified.

The minimum number of semester hours per academic year is 21 semester hours for the Federal programs, and 24 semester hours for Florida programs-Florida Student Assistance Grant (FSAG) and Florida Resident Access Grant (FRAG) Programs. Additionally, a minimum cumulative grade point average (GPA) of 1.85 for freshmen and 2.0 for all others must be maintained for all Federal programs. For the Florida programs, all students must maintain a 2.0 cumulative GPA.

### **Enrollment Status**

To receive financial aid a student enrollment status is determined as follows:

Under-graduate Enrollment Status:

- Full-time 12 or more credit hours
- Three quarter time 9 to 11 credit hours
- One – half time 6 to 8 credit hours
- Less than half time 3 to 5 credits hours

Students who carry fewer than (6) credit hours are ineligible for the Federal Direct Loans Programs. The only Title IV Financial Aid Program those students are eligible to receive is the Pell Grant which allows payment for less than half-time.

### **Non-Degree Seeking Students**

Students who are enrolled as special (non-degree seeking) students are **NOT ELIGIBLE** for any type of financial aid programs.

### **Transfer Students**

Students who have previously attended other colleges and post-secondary institutions must submit academic transcripts from those schools to the Financial Aid office.

### **Eligible Non-Citizens**

Eligible noncitizens or U.S. permanent residents must provide copies of their Alien Registration ID cards to the Financial Aid office.

### **Withdrawals**

Distribution of Financial Aid is for direct educational costs-tuition and fees, and room and board. Students who withdraw after receiving distribution of Title IV funds can expect a pro-rata calculation to be performed on their account and may incur a bill from Florida Memorial University, if they have withdrawn prior to earning the financial aid that was distributed to them.

### **Transferability of Financial Aid Awards**

The Office of Financial Aid at Florida Memorial University does not transfer aid to other colleges and does not have a Financial Aid Consortium Agreement with any other college. Should a student decide to transfer to another college, a separate application for financial aid must be made to that institution.

### **International Students**

International students are not eligible for federal and state aid. They may, however, qualify for college scholarships and may participate in the Institutional College Work-Study Program (INSTWS). International students are warned that in many instances these programs provide only enough financial aid to cover a portion of the college expenses. The burden of financial responsibility will be on the student and his or her family to pay the costs of attending the Florida Memorial University.

### **Financial Aid Programs**

The Office of Financial Aid at Florida Memorial University offers the following types of aid to eligible students:

- **Grants and Scholarships** are awards (gift aid) that do not require repayment or work obligation.
- **Employment awards** are awards that allow students to earn a portion of their educational expenses through part-time employment with eligible on-campus employers.
- **Loans** are awards that must be repaid with low interest after the student is no longer enrolled at least half-time in a post-secondary institution.

Grants, scholarships, employment and some loan programs are normally need-based forms of financial aid. A student's demonstrated financial need is determined by the standardized methodology performed by the Central Processor of the Department of Education Financial Aid System when the student applies for financial aid by completing a **Free Application for Federal Student Aid (FAFSA)**. Most awards to students are made up of a combination of two or more types of aid programs and are referred to as a "financial aid package". Completing the FAFSA, along with the Florida Memorial University Institutional Application makes a student eligible for most grant, scholarship and employment programs; however, additional applications are required for the awarding of loans and some scholarships.

### **Non-Florida Residents**

Additional financial aid may be available to non-Florida residents through their state of permanent residence. Students should contact their appropriate State Department of Education for additional information.

### **Summer School Assistance**

Summer school students enrolled for at least 6 credit hours may apply for financial aid. Awards for summer sessions will be made if funds are available after the regular academic year. To be

considered for Summer Financial Aid Awards, the student must have a completed financial aid file for the current academic year. Summer session concludes the academic year at Florida Memorial University.

### **Federal Pell Grant Program**

This federally sponsored program provides financial aid to those who need it to attend approved colleges or universities. Awards range from \$200 to \$5,775 per academic year depending on a family's financial situation. To apply for this program, a student must complete the Free Application for Federal Student Aid (FAFSA) from the U.S. Department of Education.

### **Federal Supplemental Educational Opportunity Grant (SEOG)**

A very limited number of SEOG awards are made to those with exceptional financial need who are also Pell Grant recipients. A typical award ranges from \$200 up to \$1,400 per academic year. To apply for this program, a student must complete the Free Application for Federal Student Aid (FAFSA).

### **TEACH Grant Program**

Through the College Cost Reduction and Access Act of 2007, Congress created the Teacher Education Assistance for College and Higher Education (TEACH) Grant Program that provides grants of up to \$4,000 per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families. In exchange for receiving a TEACH Grant, students must agree to serve as full-time teachers in a high-need field in a public or private elementary or secondary school that serves low-income students (see below for more information on high-need fields and schools serving low-income students). As a recipient of a TEACH Grant, graduates must teach for at least four academic years within eight calendar years of completing the program of study for which they received a TEACH Grant.

IMPORTANT: If a student fails to complete this service obligation, all amounts of TEACH Grants that received will be converted to a Federal Direct Unsubsidized Stafford Loan which must then be repaid this to the U.S. Department of Education. Interest will be charged from the date the grant(s) was disbursed. Note: TEACH Grant recipients will be given a 6-month grace period prior to entering repayment if a TEACH Grant is converted to a Direct Unsubsidized Loan. To apply for this program, a student must complete the Free Application for Federal Student Aid (FAFSA) from the U.S. Department of Education.

### **Florida Student Assistance Grant Program (FSAG)**

To receive FSAG, students must be full-time undergraduates with Financial Aid Need\* and attend an eligible Florida institution. He or she must be a "Bona-fide Florida Resident for tuition purposes" defined as an independent person who has, or a dependent person who has a parent or legal guardian that has established and maintained legal residency in Florida for at least twelve (12) months prior to seeking enrollment in a post secondary institution. Renewal students must have earned 24 semester hours with a minimum of 2.0 GPA each academic year. You are eligible to receive this award for a maximum of 9 semesters. A student who does not



meet the annual minimum 24 semester hours with the minimum 2.0 GPA each academic year may not receive funding the following academic year.

#### **Florida Resident Access Grant (FRAG)**

To receive FRAG, you must be a full-time undergraduate student who attends an eligible independent Florida institution. You must be a “Bona-fide Florida Resident for tuition purposes”. Which is an independent person who has, or a dependent person who has a parent or legal guardian that has established and maintained legal residency in Florida for at least twelve (12) months prior to seeking enrollment in a post secondary institution. Renewal students must have earned 24 semester hours with a minimum of 2.0 GPA each academic year. Students are eligible to receive this award for a maximum of 9 semesters. A student who does not meet the annual minimum 24 semester hours with the minimum 2.0 GPA each academic year may not receive funding the following academic year.

#### **Federal Work Study Program (FWS)**

This program provides jobs for a very limited number of students with financial need who must earn a part of their educational expenses. The Financial Aid office arranges jobs on campus for eligible recipients. Students work a maximum of 20 hours per week, scheduled not to conflict with their classes. An average award is about \$1, 400 per academic year. Students are paid by electronic payroll deposits and must provide 1) a direct deposit request form from their financial institution; 2) a completed I-9; 3) a completed W-4 form and 4) a work-study contract. To apply for this program, a student must complete the Free Application for Federal Student Aid (FAFSA). On the FAFSA, a student must indicate his or her interest in a “part-time job” or “work-study.”

#### **Florida Memorial Institutional College Work-Study Program (FMUINSTW)**

This program provides jobs for a very limited number of students with financial need who must earn a part of their educational expenses. The Financial Aid office arranges jobs on campus for international student workers. Awards are based on available funds and not guaranteed. To apply for this program, a student must contact the Student Financial Aid office.

To apply for the following programs, a student must complete the Florida Memorial University Financial Aid Institutional Application.

#### **Federal Direct -Subsidized Loan**

This is a low-interest loan made to students by the federal government. Eligibility for a “subsidized” Federal Direct/Stafford Loan is based on financial need as determined by a federally mandated formula. “Subsidized” means that the federal government will pay the interest on the loan while a student is in school and during specified deferments. Eligible freshmen may borrow up to \$3,500 per year, sophomores up to \$4,500; and juniors and seniors may borrow up to \$5,500 per year. The maximum allowable undergraduate indebtedness for the Federal Direct Subsidized Loan is \$23,000. Federal Direct/Stafford Loans are disbursed in two installments: one in the fall semester and one in the spring semester, after enrollment for each



semester. When the loan is disbursed, a federally required origination fee of 1 percent (which is used to offset administrative costs of the program) is deducted from the loan by the government, along with a nonrefundable insurance fee of up to 1 percent of the principal amount of the loan. Repayment begins six months after the borrower's last enrollment on at least a half-time basis.

### **Federal Direct-Unsubsidized Loan**

The Federal Direct Unsubsidized Loan is a low interest loan made to students by the federal government. Under this program, the student borrower (and not the federal government) pays the interest that accrues on the loan while the student is in school. Eligibility for a Federal Direct Unsubsidized Loan is determined by the Financial Aid office using a federally mandated formula. Eligible dependent students may borrow up to \$3,000 per semester. Dependent students whose parents have been declined the Federal PLUS due to adverse credit may increase their unsubsidized borrowing by an additional \$3,000 per semester, bringing their total eligibility in the Unsubsidized Loan Program to \$9,000. Eligible independent students may borrow up to \$3,500 per semester and up to \$10,500 per year. A student who shows need for only part of an annual subsidized Federal Direct/Stafford Loan may borrow the remainder through an unsubsidized loan. The maximum allowable loan undergraduate indebtedness for the Federal Direct Unsubsidized Loan is \$34,500. When the loan is disbursed, a federally required origination fee of 0.5 percent (which is used to offset administrative costs of the program) is deducted from the loan by the government or bank, along with a nonrefundable insurance fee of up to 0.5 percent of the principal amount of the loan.

### **Federal PLUS Loan (Parent's Loan)**

The Federal PLUS Loan is a federally insured loan and is based on credit-worthiness as determined by them. The interest rate for the Federal PLUS Loan varies annually (a new rate is effective each July 1), and the rate is based on the 52-week U.S. Treasury Bill rate plus 3.10 percent not to exceed 9 percent. Federal PLUS Loans are disbursed to the college in two installments: one in the fall semester and one in the spring semester, after enrollment for each semester. When the loan is disbursed, a federally required origination fee of 3 percent (which is used to offset administrative costs of the program) is deducted from the loan by the government, along with a nonrefundable insurance fee of up to 1 percent of the principal amount of the loan. Parents of dependent students may borrow up to the cost of education minus any financial aid. These loans, in combination with all other aid (including loans) may not exceed the educational cost. Repayment of principal and interest begins 60 days after the loan is disbursed.

### **Florida Academic Scholars Award, Florida Merit Scholars Award, and Florida Gold Seal Vocational Scholars Award**

To receive Florida Bright Futures Scholarships, students must complete a free [\*Initial Student Florida Financial Aid Application\*](#) during the last year in high school (after December 1 and prior to graduation) by accessing [www.FloridaStudentFinancialAid.org](http://www.FloridaStudentFinancialAid.org) online. Renewal students

who receive funding during the current academic year must have earned 24 semester hours with a minimum of 2.75 GPA each academic year.

### **Florida Mary McLeod Bethune Scholarship Fund**

To receive a MMB scholarship, students must meet certain scholastic requirements, demonstrate financial need, and attend Florida Memorial University, Florida Agricultural & Mechanical University, Bethune Cookman, or Edward Waters College. Students must be enrolled as full-time undergraduates and be at least one-year Florida Residents as determined by the institution. Renewal students must have earned 24 semester hours with a minimum of 3.0 GPA each academic year.

### **Air Force ROTC and Army ROTC**

ROTC academic scholarships are offered to students who meet specific requirements. These scholarships cover the cost of the University's tuition and books and provide the student a tax free subsistence allowance per month. For more information on ROTC scholarships, contact Captain Arnold Tolbert at (305) 626-4277. The current academic criteria for each award are included in the Application for Admission. The criteria may also be obtained from the Office of Admissions and the Office of the Provost and Vice President for Academic Affairs.

### **Presidential Scholarship**

The Presidential Scholarship is offered to high school graduates who will enter college for the first time. The award covers the cost of full-time tuition after all federal and/or state financial aid and other external scholarships have been applied. Upon enrollment, students must register for at least 12 semester hours (college-credit courses) and maintain a 3.50 cumulative grade point average to renew the awards. Awards may be renewed for a maximum of 10 semesters of study.

### **Honors Scholarships**

The Honors Scholarship is available to high school graduates who are entering college for the first time. The award is \$2,000 per year after all federal and/or state financial aid and other external scholarships have been applied. The award does not cover room and board or books. Students must register for at least 12 credit hours and maintain a 3.3 GPA and earn 24 credit hours per academic year to renew the scholarship. The scholarship awards may be renewed for a maximum of 8 semesters of study.

### **Freshman, New and Transfer Student Orientation**

A collaborative effort between the Offices of Student and Academic Affairs is designed to help entering freshman and new/transfer students become adjusted and make a successful transition to university life at Florida Memorial University. During the orientation period, students attend a series of workshops, seminars, and social activities where they are presented information about the University's history, support centers, services, facilities, testing, and placement. Students are also presented with University policies and regulations, introductions to University personnel in both formal and informal settings and are assigned an academic advisor who assists them throughout the year. Registration is also an integral component of the

orientation program. The objective of the orientation period is to provide students with information that will help them cope with the independence and responsibility of becoming a university student.

### **Anti-Hazing Policy**

Hazing of students will not be a part of any initiation practices, whether for new students, social clubs, or Greek-letter organizations. Hazing done in the name of an organization can result in the organization's loss of privileges, including suspension of its operating privileges on campus. Hazing done by a student as an independent act can result in the student's dismissal from the University. Violation of this regulation must be reported to the Vice President for Student Affairs. All cases involving hazing will be referred to the Judicial Affairs Committee.

### **Grievance Procedures for Students**

Florida Memorial University has adopted an internal grievance procedure providing for the prompt and equitable resolution of complaints alleging any action prohibited by this anti-hazing policy and/or conduct in violation of Title VI, Title VII, Title IX, Section 504, the Age Discrimination Act, and the Americans with Disability Act. The following university officials have been designated to respond to allegations regarding any such violation: The Vice President for Student Affairs, The Provost and Vice President of Academic Affairs, the Director of Human Resources Management, or the Counseling Center Coordinator.

Complaints alleging misconduct as defined in this policy should be reported within 90 days of the alleged offense. Complainants may seek informal or formal resolution. All complainants must complete a written Discriminatory Harassment Report in the form of a memorandum. The report must include the name of the person or office alleged to have committed the offense, the date(s) or time period of the offenses, specific examples of the offending behavior(s) or actions, and the complainants contact information.

Complainants are encouraged to explore an informal resolution before filing a formal complaint. An informal resolution focuses on communication and education, while formal procedures focus on investigation and discipline. Informal complaints will be resolved within 15 working days with a written resolution given to each of the parties involved. If the situation results in an impasse, complainants will be given a notice of impasse with 15 working days from the filing of the incident. If a notice of impasse is given and complainants wish to file a formal written complaint, complainants must do so within 30 working days of the date of notice of impasse unless a waiver in filing time is requested.

When a formal complaint is filed, an investigation will be initiated. The person accused of misconduct will be given 10 days to provide a signed response to the requesting official. A copy will be provided to the complainant. If the alleged fails to respond, the presumption will be made that the allegation(s) in the complaint are true. A written determination will be issued to the complainant within 60 working days of the receipt of the formal written complaint. If the

procedure requires an extension of time, the complainant will be informed in writing of the reasons, the status of the investigation, and the probable date of completion.

If complainants dispute the findings or are dissatisfied with the recommendations, complainants may request reconsideration of the case to the president in writing within 45 working days of receipt of the written determination. Complainants also have the right to file with the appropriate state or federal authorities as set forth in the applicable statutes.

Cases that may require disciplinary action will be handled in accordance to the established discipline procedures of the University. Student organizations in violation of this policy may be subject to the loss of university recognition. Complainants shall be protected from unfair retribution. Nothing in this policy statement is intended to infringe on the individual rights, freedom of speech, or academic freedom provided to members of the Florida Memorial community. The scholarly, educational, or artistic content of any written or oral presentation or inquiry shall not be limited by this policy. Accordingly, this provision will be liberally construed but should not be used as a pretext for violation of this policy.

### **Student Concerns and Complaint Policies**

This policy provides a process for students to raise concerns and file complaints when they are dissatisfied with a University service, or policy, or an action by a University employee. The process aims to be constructive and positive in resolving differences and working toward a better community at Florida Memorial University.

This policy covers academic and non-academic matters except in areas where other formal policies and procedures take precedence. These other policies include the Grade Appeal Policy, Policy Prohibiting Discrimination and Harassment, Standards of Conduct, and the Honor Code.

#### ***General principles***

- Whenever possible and in a timely manner, students should raise concerns informally with the faculty member, staff member, or other student involved.
- If the student is unsuccessful with informal resolution, the complaint should be taken to the appropriate division chair, school dean, or vice president who will handle student complaints as quickly and as fairly as possible.
- As a measure of good faith, students should be prepared to make their identities known when they raise concerns or complaints. Matters raised anonymously will not be addressed formally.
- There will be no adverse effect on or retaliation against a student raising a concern or complaint in good faith or against any person who in good faith provides information regarding a concern or complaint.
- Written complaints will receive written responses within 30 days and will be kept on file.

### Procedures

- Academic matters: if a student has a complaint or concern about a course or faculty member, it should be directed first to the appropriate division chair or school dean, then to the provost. If the student has a complaint about an academic policy or its enforcement, it should be addressed to the office of the Provost and Vice President for Academic Affairs.
- Non-academic matters: If a student has a complaint or concern about a non-academic matter, it should be addressed to the Vice President for Student Affairs.

## TUITION AND FEES

	Fall 2011	Spring 2012	Annual	Summer 2012
<u>Commuter Students</u>				
Tuition(12-15 Hours)	\$6,012.00	\$6,012.00	\$12,024.00	\$6,012.00
General Fees	\$1,270.00	\$1,270.00	\$2,540.00	\$625.00
<b>Total -Commuter Students</b>	<b>\$7,012.00</b>	<b>\$7,012.00</b>	<b>\$14,024.00</b>	<b>\$6,637.00</b>
<u>Residential Students</u>				
Existing Rooms	\$1,630.00	\$1,630.00	\$3,260.00	\$1,019.00
Board	\$1,426.00	\$1,426.00	\$2,852.00	\$891.00
<b>Room &amp; Board-Existing</b>	<b>\$3,056.00</b>	<b>\$3,056.00</b>	<b>\$6,112.00</b>	<b>\$1,910.00</b>
<u>New Residence Halls:</u>				
Private Suites(1BR-1BA)	\$2,520.00	\$2,520.00	\$5,040.00	\$1,575.00
Board	\$1,426.00	\$1,426.00	\$2,852.00	\$891.00
<b>Room &amp; Board- Priv. 1</b>	<b>\$3,946.00</b>	<b>\$3,946.00</b>	<b>\$7,892.00</b>	<b>\$2,466.00</b>
Semi-Private Suites (2BR-1BA)	\$1,935.00	\$1,935.00	\$3,870.00	\$1,209.00
Board	\$1,426.00	\$1,426.00	\$2,852.00	\$891.00
<b>Room &amp; Board-Semi -Priv.</b>	<b>\$3,361.00</b>	<b>\$3,361.00</b>	<b>\$6,722.00</b>	<b>\$2,100.00</b>
Private Suites (2BR-1BR)	\$2,295.00	\$2,295.00	\$4,590.00	\$1,434.00
Board	\$1,426.00	\$1,426.00	\$2,852.00	\$891.00
<b>Room &amp; Board-Priv. 2</b>	<b>\$3,721.00</b>	<b>\$3,721.00</b>	<b>\$7,442.00</b>	<b>\$2,325.00</b>
Quad Suites (4BR-2BA)	\$2,070.00	\$2,070.00	\$4,140.00	\$1,294.00
Board	\$1,426.00	\$1,426.00	\$2,852.00	\$891.00
<b>Room &amp; Board-Quad.</b>	<b>\$3,496.00</b>	<b>\$3,496.00</b>	<b>\$6,992.00</b>	<b>\$2,185.00</b>

The total cost of tuition, fees, room and board is calculated by adding the cost for tuition and fees to the cost for room and board depending on the residence type above.

Admission Application.....	\$25.00
Course Add/Drop.....	\$10.00
Undergraduate Credit By Exam (each credit hour) .....	\$501.00
Graduate Credit By Exam (each credit hour).....	\$663.23
Graduation .....	\$200.00
Key/Damage Deposit (refundable) .....	\$50.00
Dorm Damages .....	\$25.00 & up
Document Photocopy .....	\$0.10
Late Registration Fee.....	\$50.00
Library Fines per day per book .....	\$0.25
Library Lost Book Charge .....	\$50.00
Mailbox key deposit (refundable).....	\$10.00
Mailbox rental Fee .....	\$10.00
Parking Decal w/Transponder .....	\$15.00
Parking Citation.....	\$15.00 & up
Failure to early register.....	\$50.00
Promissory note Fee.....	\$50.00
Replacement Diploma .....	\$10.00
Replacement I.D. Card.....	\$25.00
Room Reservation Fee-new student .....	\$250.00
Returned Check Fee .....	\$25.00
Tuition Installment Plan- late payment Fee * .....	\$25.00
Transcript, Regular US Mail .....	\$3.00
Transcript, Certified US Mail.....	\$6.00
Transcript, Next day delivery.....	\$12.00
Transcript, Overseas .....	\$18.00 & up
Tuition per credit hour Undergraduate .....	\$501.00
Tuition per credit hour Graduate.....	\$663.23

**\*NON-REFUNDABLE**

The schedule of tuition, fees and service charges is reviewed and published annually. Current information on these amounts is available at the Student Accounts Office. The University reserves the right to change without notice its tuition, fees, service charges, rules, and regulations at the beginning of any semester and during the year should conditions so warrant. This right will be exercised judiciously.

**Description of Service Charges**

Books, school supplies, travel expenses, medical expenses other than those provided on-campus and through the Student Health Insurance Program, and miscellaneous personal items are additional expenses which must be considered when preparing a student's budget.



**Admission Application:** A fee of \$25 must be sent to the University with each application for admission. This fee is nonrefundable and is not credited to the student's account upon admission.

**Course Add/Drop:** A fee of \$10 is charged for each course added or dropped from a student's schedule after the close of registration.

**Credit by Exam:** A \$501 per credit hour examination fee is charged for departmental proficiency examinations for undergraduate credit. A \$663.23 per credit hour examination fee is charged for departmental proficiency examinations for graduate credit.

**Graduation:** A fee of \$200 is charged to graduating students for their caps and gowns, the graduation banquet, and other ceremonial activities related to the Baccalaureate and Commencement exercises. All graduates must pay this charge even if they choose not to participate in the activities.

**Room Reservation Fee:** All new students desiring on-campus housing are required to pay a room reservation fee of \$250 (\$200 for all returning students each semester) prior to arriving on campus. If for any reason a student decides not to attend Florida Memorial University or changes his/her mind about residing on campus, the reservation fee is nonrefundable and will not be credited to the student's account. All resident students are assigned a mailbox. The rental fee is \$10 per academic year plus a \$10 refundable deposit for the mailbox key. All keys should be returned at the end of each semester.

**Key/Damage Deposit:** A \$50 deposit must be paid on or before registration by every student who will live in the residence hall. This deposit is not a part of the housing fee. It will be refunded when the student leaves his/her campus residence hall, provided he/she (1) checks out properly, (2) returns his/her room and mailbox keys and other University property, (3) is not responsible for any damages to University property, (4) does not have an account balance with the University and (5) has observed University policies concerning room cancellations and withdrawals from the residence hall. Refunds are not done automatically. An application for a refund must be submitted to the Bursar's Office.

**Late Registration:** A fee of \$50 is charged to any student who registers for courses after the last day scheduled for registration in the University catalog or as published by the Registrar. All currently enrolled students who do not register early during the early registration period for the next semester will be assessed a \$50 fee during regular registration.

**Meals:** All resident students are required to purchase a semester board (meal) plan. If the Lion's Express ID card is lost, stolen, washed, destroyed, misplaced or damaged, a student should report this immediately to the Living and Learning Advisor and apply for a replacement at the cashier's window (cost is \$25 for a replacement). Non-resident students may purchase twenty (25) meals for \$112. These twenty-five meals will be credited to the Lion's Express ID card and can be used for any meal in the cafeteria. No one is permitted to eat in the cafeteria without his

or her computerized Lion's Express ID card or cash payment. If the card is lost, damaged, stolen or invalid, students must report this to the Bursar Office. Food Service is not responsible for the issuance of ID cards.

**Parking Decal:** A fee of \$15 per year is charged for a parking decal and transponder which registers a vehicle for use of campus roadways and parking facilities. An additional fee of \$15 per year is required for the purchase of a replacement decal or second-car decal. A valid ID, driver's license, car registration and insurance information are required.

**Replacement Diploma:** A fee of \$10 is charged to replace a diploma. Requests must be made through the Registrar's Office.

**Replacement I.D. Card:** A fee of \$25 is charged to replace a lost or stolen University Lion's Express identification card.

**Returned Checks:** Pursuant to Florida law, any check issued to the University for which sufficient funds are not available to ensure payment upon presentation is subject to a returned check fee of \$25.

**Room and Board:** Students who reside on campus must pay the full Room and Board fee. Room and board fees provide for the use of dormitory space access and during the period stated in the University calendar.

**Promissory Note Fee:** A processing fee of \$50 is charged to defray the cost of providing a deferred payment plan for students who are unable to pay the full amount of their bill at the time of registration.

**Transcript Fee:** A fee of \$3 is charged for each requested copy of a transcript. Transcripts will be sent by regular US mail. If requested, transcripts may be sent by Certified US mail for a fee of \$6, or by next day delivery for \$12 or overseas for \$18 and up depending on the destination.

### **Payment of Tuition and Fees**

1. All tuition and fees are due and payable at the time of registration.
2. Students who receive financial aid must pay the difference between their financial aid awards and their total charges for the semester before being permitted to attend classes for a given semester.
3. Financial Aid classified as "pending" or "applied for" will not be accepted toward meeting the requirements for registration unless a positive evaluation is given by the Director of Financial Aid or his/her designee.

Students may choose to pay charges owed for an upcoming semester through a University-approved semester-long installment plan. All inquiries and applications should be made directly to **Tuition Management Services (TMS), Tuition Installment Plan, or call toll free 1-**



800-722-4867. Notification of awards and scholarships from outside sources used to pay a student's account must be sent directly to the Student Accounts Office from the sponsor. The notice must either accompany the payment or state the manner in which the sponsor is to be billed.

**Bursar**  
**Florida Memorial University**  
**15800 NW 42nd Avenue**  
**Miami Gardens, Florida 33054**

When payment is made in cash, the payer must receive a receipt and retain that receipt for future reference as evidence of the cash payment. Students or their representative should not send cash in the mail or pay cash to any person other than the University's Cashier. Students should ask for a receipt at the time of payment if one is not given. Personal checks are not accepted.

### **Deferred Payment Plan**

Should parents or students desire to defer payment of a portion of the basic charges for tuition, fees, room and board, arrangements should be made directly with the Student Accounts Office. A deferment processing fee of \$50.00 per plan will be charged for this privilege.

Each student must satisfy all financial obligations to the University in accordance with the Deferred Payment Plan in order to (1) retain campus housing, (2) take midterm and final examinations, and (3) continue matriculation in the following semester.

### **Exam Permits**

Students are required to present examination permits prior to taking midterm and final examinations. Exam permits are picked up at the Student Accounts Office.

### **Special Stipulations**

A student is not considered registered until he/she has been cleared financially and his/her registration form has been stamped and signed by the Student Accounts Office. The release of transcripts diplomas and grades is prohibited if any unpaid balances are owed to the University.

Students are expected to meet their payment obligations promptly and without notice from the Student Accounts Office. It is the student's personal responsibility to inform his/her parents, guardians, and sponsors of all financial obligations to the University and the due dates for payment. Students must also follow up with the Student Accounts Office on a regular basis to ensure that payments are received and credited to their accounts.

### **Refund or Adjustment of Tuition, Fees, and Other Charges**

Tuition refunds are based on the total tuition charges and not on the amount paid. Board charges are refundable on a prorated basis to students who have properly withdrawn. Financial Aid programs which provide awards to students will be refunded in accordance with the formula required by local, state, or federal law. Balances due as a result of the refund are the responsibility of a student who withdraws.

**Fees paid for application, processing charges, mailbox rental, room charges, etc. are not refundable. No portion of a scholarship from Florida Memorial University is refundable.**

When a student is assigned a Florida Memorial University student network account, space is automatically allocated to the student on Florida Memorial University's central server for storage of personal data. A student may withdraw or cancel classes from Florida Memorial University within three (3) working days, pursuant to S.246.D.41 (1) (n) 3.e of the Florida statutes and receive a full refund with the exception of non-refundable charges. All refunds shall be made within thirty (30) days of the date that the University determines that the student has withdrawn. Tuition and general fees shall be refunded in full in any of the following circumstances: (1) courses canceled by the University; (2) involuntary call to active military duty; (3) documented death of the student; (4) exceptional circumstances, with the approval of the President of the University or his designee.

Students must submit required official forms in order to withdraw from the university. The student will receive tuition and general fees refunds, less an administrative fee not to exceed 5% of the term's tuition at the following rates:

### **Refund Schedule**

Tuition and general fees each Fall and Spring Semester

<i>If time of withdrawal from the University is made:</i>	<i>Amount Refunded</i>
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<b>Before the end of the 5th day of classes</b>	<b>100%*</b>
<b>Between the 6th - 10th day of classes</b>	<b>80%*</b>
<b>Between the 11th - 15th day of classes</b>	<b>60%*</b>
<b>Between 16th – 20th day of classes</b>	<b>40%*</b>

No refunds will be made after the 20th day of classes.

### **Summer Session**

**1st - 5th day of classes 100%\***

No refund will be made after the 5th day of summer classes

\*Less administrative cost

Fees and room charges are not refundable. Board is prorated based on date of withdrawal. If a credit balance exists from overpayment or at the time of withdrawal, a refund for the balance will be processed within 30 days of the date that the University determines the student has withdrawn. Refund checks are distributed at the Bursar's Office.

## **CAREER DEVELOPMENT CENTER**

The Career Development Center, located in the Student Services Building, Suite 114, is charged with assisting its students and alumni in becoming global leaders. The Career Center seeks to assist students with identifying their career needs and interests, gaining relevant work experience through co-ops and internships, as well as providing guidance in full-time professional job search. The Career Development Center also provides group and individual counseling, job readiness workshops, career assessment inventories, resume preparation and interviewing techniques, etiquette training and proper business decorum.

Employer relations focuses on establishing and maintaining strong relationships with employers and assisting them in their recruiting needs. Career fairs, on-campus recruitment, and resume referrals are provided to assist organizations in meeting their staffing needs, goals, and objectives.

### *Available Services*

- Walk-In Advising
- Job Search Techniques
- Career Advising & Assessment
- Resume Referral Service
- Mock Interviews
- Internship Program
- On-Campus Recruiting
- Career Fair
- Graduate School Expo
- Black Executive Exchange Program
- Career Seminars and Workshops
- Service Learning

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## ACADEMIC AFFAIRS

Florida Memorial University is administered by the Office of the Provost. The Academic programs are designed to broaden the intellectual experiences and abilities of students and, at the same time, recognize and provide for intellectual diversity as individual interests and goals are satisfied. Academic Affairs consists of the following academic schools and support units:

### **School of Arts and Sciences**

*Department of Aviation and Safety*  
*Department of Computer Sciences, Mathematics and Technology*  
*Department of Health and Natural Sciences*  
*Department of Humanities*  
*Department of Social Sciences*  
*Department of Visual and Performing Arts*

### **School of Business**

*Graduate Program (Business)*

### **School of Education**

*Graduate Programs (Education)*

Department of Freshman Studies

*Center for Advisement and Retention*

*Testing Center*

Grants and Sponsored Research

Honors Program

Institutional Effectiveness

*Institutional Assessment*

*Institutional Research*

Study Abroad Program

University Library and Services

University Registrar

The Department of Freshman Studies does not offer degrees. The Schools offer majors in subject areas leading to the Bachelor of Arts and Bachelor of Science degrees. The School of Education offers the Master of Science in Education degree and the School of Business offers the Master of Business Administration degree.

Academic Programs are designed to broaden the intellectual experiences and abilities of students and, at the same time, recognize and provide for intellectual diversity as individual interests and goals are satisfied.

## ACADEMIC REGULATIONS, PROCEDURES, AND STANDARDS

The academic year consists of two semesters, fall and spring, of approximately fifteen weeks each. The University also offers several summer sessions. Students enrolled in twelve to eighteen credit hours per semester are classified as full-time. Students wishing to take more than eighteen credit hours must obtain approval prior to registering from the School's Dean and the Provost.

A reduced credit load is a maximum of twelve semester credit hours. Reduced loads are assigned to students in educational development programs, on academic probation, or involved in work activities that interfere with the student's academic progress. Part-time students are those who enroll in fewer than twelve semester credits.

## DEGREE PROGRAMS

Thoughtful consideration should be given to the selection of a major. It is not necessary to declare a major during the freshman year. Careful selection of courses in the general interest area is recommended. Requirements for a major are set by each school. By the end of the sophomore year, students must officially declare a major. Transfer students with an associate degree must declare a major upon entering the University. When declaring a major, students must submit a formal application to the respective school dean. At this time, a faculty advisor will be assigned. Majors offered at Florida Memorial University are:

## SCHOOL OF ARTS & SCIENCES

### *Department of Aviation and Safety*

Airway Science (*concentration in Airway Science Management*)

Aeronautical Science (*concentration in Flight Education and concentration in Air Traffic Control*)

### *Department of Computer Science, Mathematics and Technology*

Computer Information Systems

Computer Science

Management Information Systems

Mathematics

### *Department of Health & Natural Sciences*

Biology (and concentration in Radiobiology)

Biology/Nursing (*Dual Program with University of Miami and Florida International University*)

Chemistry (*B.A. and B.S.*)

Chemistry (*B.A. with concentration in Radiochemistry*)

Pre-Engineering (*Dual Program with Florida International University*)

Environmental Studies

Physics

**Department of Humanities**

Communications (*concentration in Public Relations*)

Communications (*concentration in Broadcast*)

English

Religion and Philosophy

**Department of Interdisciplinary Studies**

Interdisciplinary Studies

**Department of Social Sciences**

Criminal Justice

Criminal Justice (*concentration in Criminology*)

Criminal Justice (*concentration in Pre-Law*)

Political Science/Public Administration

Psychology

Social Work

Sociology

**Department of Visual and Performing Arts**

Music (*with concentrations in Church Music, Jazz Studies and B.A. in Music*)

## SCHOOL OF BUSINESS

Accounting

Business Administration

Finance

Hospitality Management (*Dual Program with Florida International Univ.*)

Marketing

**Graduate Program**

*Master of Business Administration (MBA)*

## SCHOOL OF EDUCATION

Elementary Education/ESOL

Exceptional Student Education/ESOL

Middle Grades

General Science (5-9)

English/ESOL (5-9)

Mathematics (5-9)

Music Education (K-12)

Physical Education (K-12)

Secondary Education

Mathematics (6-12)

Biology (6-12)

**Graduate Programs**

*Masters of Science in Education (MSED)*

*Computer Educational Technology*  
*Elementary Education*  
*Exceptional Student Education*  
*Reading*

A major consists of a minimum of 62 hours in an area; a minor consists of a minimum of 18 hours. Minors are available in most areas where a major is offered, in addition to African-American Studies, economics, finance, history, and social work. Upon selection of a major, students are required to file a proposed program of courses with the school advisor and with the dean's approval. To change a major, students must

1. Obtain a Declaration/Change-of-Major form from their current school
2. Obtain the signature of the appropriate school deans (previous and new) and
3. Submit the form to the Office of the Registrar

The change of major becomes effective on the date the change of major form is filed in the Office of the Registrar

### **CREDIT BY EXAMINATION**

The purpose for credit by examination is to validate credits earned at other institutions or to exempt students from courses in which they have had related professional experience(s). Students who satisfy either one of the aforementioned criteria may earn a maximum of 15 credits using this method. Credit by examination may not be used to correct registration errors. It cannot be used to satisfy course work for which the student has received a grade from Florida Memorial University.

To apply for credit by examination, students must obtain an application from the Office of the Registrar and have the application approved by the dean of the specific school and the Provost prior to paying the examination fee.

The dean and a committee of faculty will review the data submitted, interview the student, and determine if that student may take the examination. Examinations are prepared or selected by the school's faculty. Examinations will include a comprehensive coverage of course materials. Students may be required to complete written assignments as well as standardized short-answer and/or essay questions. Students may not apply for credit by examination during their expected term of graduation.

A letter grade of "P" will be assigned upon successful completion of the examination. If unsuccessful, the grade of "F" will be assigned.

Credits earned by credit by examination cannot be used to satisfy residency requirements, nor are these credits included in the calculation of the grade point average. Students who qualify for

credit by examination will have only one attempt to satisfy course requirements using this method.

### **Academic Standing**

Good Academic Standing, Warning, Academic Progress, Probation, Suspension, Dismissal, Academic Appeal, and Readmission

### **Good Academic Standing**

The required cumulative grade point average (GPA) for Good Academic standing and eligibility for graduation at Florida Memorial University is 2.0 for all programs except for the School of Education, which requires a cumulative GPA of 2.5 for graduation.

### **Academic Warning (Freshman Only)**

Freshman who have attempted 0-29 credit hours and whose cumulative grade point average falls below 2.0 will be placed on Academic Warning for one semester. All students on Academic Warning must meet with their academic advisor. Students on Academic Warning can take a maximum of 12 credit hours. These students will not be allowed to complete their registration for the following semester without the academic advisor's signature on the *Academic Referral Form*. The advisor may require adjustment of the student's courses or course load.

### **Academic Probation**

Students will be placed on Academic Probation when they fail to earn and maintain a cumulative GPA of 2.0. Students placed on Academic Probation must receive their advisor's approval to register for more than 12 credit hours. Students are removed from Academic Probation when their cumulative grade point average reaches a minimum of 2.0.

### **Academic Suspension**

Students will be suspended from the University for one semester (Fall or Spring) if they fail to satisfy the aforementioned requirements. All suspended students must apply for re-admission to the Academic Standing Committee.

### **Academic Appeal**

Students on Academic Suspension will be granted the right to appeal in writing. The Academic Standing Committee will make the final decision concerning suspension. If the suspension is rescinded, the student will be returned to Academic Probation status.

### **Academic Dismissal**

Students returning from Academic Suspension who fail to achieve and maintain a cumulative GPA of 2.0 after two consecutive semesters of study will be dismissed from the University. Academic Dismissal carries a separation from Florida Memorial University for one (1) academic year before eligibility for re-admission may be restored.



### **Re-admission**

Students in good academic standing (2.00 cumulative GPA or above), who separate from the University for one or more years, are required to apply for re-admission to the Admissions Office. Students must satisfy the degree requirements for graduation stated in the University catalog for the academic year in which they are readmitted. A one semester separation from the University does not require a student in good standing to file for readmission.

Students not in good academic standing (suspended or dismissed) who separate from the University for one of more years are required to apply for readmission in the Office of the Provost.

Students on probation who withdraw from the University must submit a personal statement and two letters of recommendation to the Provost to be considered for re-admission.

### **Transfer of Credits Policy**

Florida Memorial University accepts courses earned at other institutions provided that

- The grade earned for these courses is a "C" or higher.
- The courses represent collegiate coursework relevant to the degree program being pursued at the Institution.
- The course content, level of instruction and resulting competencies are equivalent to those of students enrolled at the institution.
- All Official University transcripts are submitted to the institution for evaluation prior to the transfer students' admission to the University.

A maximum of 90 credits total may be transferred to Florida Memorial University. Furthermore, the number of credits awarded for a particular transfer course may not exceed the number of credits assigned to the equivalent course at the University. The school's dean and the Provost and Vice President for Academic Affairs must approve all transfer credits used toward a degree.

Verification of content of transfer courses is made from University catalogs, course syllabi, and certified copies of military documents, and by following guidelines published by the American Council on Education or the American Association of Collegiate Registrars and Admissions Officers.

### **Advanced Placement Program**

Florida Memorial University cooperates fully with accredited high schools and colleges in the Advanced Placement (AP) Program of the College Entrance Examine Board. AP courses are available to juniors and seniors in most United States high schools.

- Students must earn a score of 3 or higher on the nationally administered exam.

- An official Grade Report must be submitted for credit
- Credits will not be awarded for examination that duplicate course work or other exam credits previously posted to a student's academic record.
- Students are awarded credits only; they are not given grades for Advanced Placement Courses, and Advanced Placement
- Courses are not included in the GPA.
- All AP credits granted will meet Florida Memorial University's degree requirements.
- There are no additional fees involved for providing Advanced Placement services.

### **Florida Memorial University Advance Placement (AP) Credit Course List**

<b>Exam Title</b>	<b>Min. AP Score</b>	<b>Sem. Hrs</b>	<b>Courses</b>
History of Art	3	3	ART 101
Studio Art-Draw Portfolio	4	3	ART 131
Studio Art-General Port	3	3	ART 121
Biology	4	6	BIO 101, BIO 130 BIO 131, BIO 206
Chemistry	4	5-10	CHE 110, CHE 111 CHE 112, CHE 113
Computer Science A	4	3	CSC 101
Computer Science AB	4	6	CSC 101, CSC232
Economics-Microeconomics	3	3	ECO 202
Economics-Macroeconomics	3	3	ECO 201
English-Lang & Comp	4	6	ENG101, ENG102
English-Liter and Comp	4	6	ENG 101, ENG202
French Language	3	6	FRE 201, FRE202
French Literature	3	6	FRE 305, FRE 306
Gov and Politics-Comp	3	3	POL 311
Gov and Politics-U.S.	3	3	POL 301
History-European	3	3	HIS 101
History-United States	3	3	HIS 200
Math-Calculus AB	4	3	MAT 200
Math-Calculus BC	4	6	MAT201, MAT202
Music Theory	3	6	MUS 101, MUS 102
Physics B	4	8	PHY200, PHY 201 PHY 202, PHY 203
Physics C (Mechanics)	4	4 P	PHY 200, PHY 201

### **Articulation Agreement**

Florida Memorial University cooperates fully with the community college system of Florida through an articulation agreement. Under this agreement, students who have completed an associate of arts degree (AA) from a regionally accredited community college in Florida will be

admitted to Florida Memorial University as juniors, with the understanding that some prerequisite work may be required for the degree programs in which they enroll.

Students with an associate of arts degree from other regionally accredited colleges outside the state of Florida will also be admitted as juniors with the same stipulations as described above.

### **CREDIT FOR LIFE EXPERIENCE OPPORTUNITY (CLEO)**

Credit for Life Experience Opportunity (CLEO) Program, off-campus sites, courses for individuals seeking professional education area certification or re-certification, non-credit courses, certificate programs, and continuing education units. Additionally, the department offers the Bachelor of Arts degree in Interdisciplinary Studies for working adults.

### **Objectives of the Department**

Overall, the purpose of this department is to enrich, expand, and extend the university's primary mission of teaching and service:

1. To maintain a curriculum that meets the needs of working adults
2. To provide instruction and instruction to meet the needs of mature life-long learners
3. To offer courses at Off-Campus sites to facilitate the continuing education efforts of working adults.
4. To offer professional seminars, symposiums, and workshops
5. To provide a forum for the enrichment of individuals through a lecture/artist series that encourages dialogue among local, county, state, and national communities
6. To offer Continuing Education Units (CEU's) for non-credit activities that address identified needs of many unique audiences
7. To offer Credit for Life Experiences Opportunity (CLEO) that are comparable and applicable to credit offered by the university
8. To assist students in understanding the role of the Department of Continuing Education
9. To provide students with information pertaining to the Interdisciplinary Studies degree program
10. To prepare the students for graduate and professional school

### **Mission Statement**

The Department of Continuing Education (DCE) serves to facilitate the University's degree-granting programs in the provision of educational opportunities and other experiential learning programs for traditional and non-traditional learners and serves as the catalyst for various interest groups in meeting professional and personal development needs. The department is responsible for the University's off campus centers; the Weekend Program; Credit for Life Experience Opportunity (CLEO)

### **Credit for Life Experience Opportunity (CLEO) Program**

The Credit for Life Experience Opportunity (CLEO) Program encompasses all adult experiential learning modes to obtain university credit for applicable practical learning. The College Level Examination Program (CLEP), portfolio development, National Program on Non-collegiate Instruction (PONSI), and credit-by-exam are used to determine credits.

The purpose of the Credit for Life Experience Opportunity Program at Florida Memorial University is to provide a quality adult experiential learning program that offers the opportunity for successful completion of a baccalaureate degree. Further, using various learning tools that link practical experience to applicable university level learning, the mature learner maximizes the value of his/her professional experiences.

In addition to meeting the CLEO program credit requirements, all students must complete a minimum of 30 credits through traditional classroom instruction at Florida Memorial University in order to be awarded the baccalaureate degree.

The Interdisciplinary Studies degree program bridges the academic disciplines of business, the humanities, and the social sciences.

To be eligible to apply to the CLEO Program, the student must

- be a working adult 25 yrs. of age or older
- have a minimum of five (5) years of professional experience (exceptions must be based on recommendation CLEO Portfolio Advisor)
- complete the CLEO Application Packet
- 

**Attend a preliminary interview meeting with the CLEO Coordinator**

### **COLLEGE LEVEL EXAMINATION PROGRAM (CLEP) POLICIES**

#### **General Information**

Florida Memorial University recognizes that a well-rounded education contributes to the quality of life. The University expects that students will leave its community of scholars and traditions prepared to participate fully in society. The University also recognizes and honors students' prior learning and may award credit for knowledge gained through independent study, advanced high school or honors classes, or other experiences outside of the University's classroom. CLEP tests measure the mastery of University-level introductory course content in a wide range of disciplines.

## Credits Awarded

Florida Memorial University will not award CLEP credits for the following:

- Credit will not be awarded in a subject in which student has once been enrolled at the University level.
- Credit cannot be earned through CLEP while on academic suspension from the University.
- Credit will not be awarded for any course in which a student previously earned a failing grade.
- Credit cannot be earned to raise a grade previously earned in a University course
- Credit will not be awarded for exams taken without written approval from department chair and or an academic advisor.
- Total number of credits by examination that a student may earn is *twenty-four (24)*. Credits exceeding that amount will not be awarded. **NO EXCEPTIONS.**
- Credit will not be awarded as part of the last **30 hours** applicable to a degree.

*Score minimums, credit hours awarded, and course equivalencies awarded are subject to change for any examination without prior notice.*

## Test Fee

The fee for taking a test is \$50 *per test*. A student may pay by check or money order made payable to CLEP, or by credit card (Visa, MasterCard, or American Express). There is also a \$50 institutional fee, which is due at the time

## Acceptable Scores and Credits

Based on the American Council on Education's recommendation, Florida Memorial University will accept and award credits for the following CLEP courses:

<u>Examination</u>	<u>Course Equivalent</u>
Analyzing & Interpreting Literature	ENG 111
English Composition with Essay	ENG 101
English Literature	ENG 303
English Literature II	ENG 304
French Language Level 1 (2 semesters)	FRE 201
French Language Level 2 (4 semesters)	FRE 202
Spanish Language Level 1 (2 semesters)	SPA 201
Spanish Language Level 2 (4 semesters)	SPA 202
American Government	POL 301
Hist. of the U.S. Early Colonization to 1877	HIS 321

Hist. of the U.S. II 1865 to the Present	HIS 324
Human Growth and Development	PSY 306
Humanities	DRA 200
Principles of Macroeconomic	ECO 201
Principles of Microeconomic	ECO 202
Introductory Psychology	PSY 200
Social Science & History	SSC 101
Social Science II	SSC 102
Introductory Sociology	SOC 200
Biology	BIO 101
College Algebra	MAT 111
Intermediate Algebra	MAT 110
College Math II	MAT 102
Physical Science	PSC 101
Trigonometry	MAT 113
Principles of Accounting	ACC 211
Introductory Bus Law	BUS 311
Information Systems & Comp Application	CSC 101
Principles of Marketing	MAR 301
Principles of Management	BUS 211

## **Registration**

For further information, please contact the Testing Center located in the Sarah Blocker Hall Building, room 211-212 at (305) 626-3775.

## **Transfer Credits from International Institutions**

Postsecondary credits earned by international students at colleges and universities which pattern themselves after the British or other non-American education systems must be evaluated by an external transcript evaluation organization approved by Florida Memorial University.

## **Graduation Requirements**

Advisors and faculty will advise students toward meeting requirements for graduation; students have the ultimate responsibility of fulfilling requirements for graduation. Students are responsible for filing an application for a degree in the Office of the Registrar the semester prior to graduation. All Graduation Fees are due upon applying for graduation. Following are the basic requirements for graduation:

1. Students must satisfy the curriculum requirements, complete a minimum of 120 credit hours, and meet the curriculum requirements for graduation specified by their degree program;
2. A minimum cumulative grade point average of 2.0 or (2.5, for education and pre-hospitality management graduates)
3. Completion of a minimum of twenty-five percent (25%) of the total number of credits required for the degree at Florida Memorial University
4. Completion of a senior thesis or project for non-education majors
5. Fulfillment of all financial obligations and procedural requirements.
6. All requirements for graduation must be satisfied at least 24 hours after the last day of final examinations. Students who fail to complete requirements are required to file a new graduation application. (See Academic Calendar for deadlines.) Only those students who have completed all requirements for graduation will be permitted to participate in commencement exercises.

### **Second Baccalaureate Degree**

A second bachelor's degree may be awarded when:

1. Requirements of an appropriate academic school for a second degree have been met.
2. The student has completed a minimum of 30 credit hours at Florida Memorial University.
3. Requirements for graduation from the University have been met. A bachelor's degree has been earned from an accredited four year college or university and 30 additional credit hours of course work are completed at Florida Memorial University. All requirements of the major school must be met.

### **Dual Majors**

A student who desires to have dual majors must simultaneously meet the demands of both majors. Requirements for each major must be successfully satisfied. Transcripts will indicate the completion of dual majors; however, one degree will be awarded.

## **ATTENDANCE POLICY**

Students are expected to attend all classes for which they are registered and are not authorized to attend classes for which they are not registered. Absences during the first two weeks of classes are especially discouraged as professors are required to report to the Registrar's office the students who are registered in their courses but have not attended. The Registrar's office will proceed to drop these students from the reported courses; however, it is the students' ultimate responsibility to drop or withdraw from the courses they no longer plan to attend. Students are permitted one unexcused absence per credit hour of day courses. Students are permitted two unexcused absences for courses offered during the evening. Students exceeding

the number of unexcused absences will be in jeopardy of failing the course and may be withdrawn from the class by the instructor. Calculation of absences begins from the first class meeting for students whose names appear on the initial class roster. Acceptable absences include illness, serious family emergencies, special curricular requirements (e.g., University fairs, field trips and approved meetings), military obligations, and participation in official University-sponsored activities, such as music performances and athletic competitions if the students are in good academic standing. If accompanied by a letter from the Vice President for Student Affairs, absences from class for court-imposed legal obligations (e.g., jury duty or subpoena) will be excused. Participation in University-sponsored activities is excused if the students are in good academic standing. Students are responsible for any and all class work and may not use University-sponsored activities as a plea for extension of time to complete assignments, or for permission to take makeup examinations or quizzes, or to excuse missed exams/coursework.

## GRADING SYSTEM AND QUALITY POINTS

Grades	Grade Quality Points
A	4.00
A-	3.70
B+	3.30
B	3.00
B-	2.70
C+	2.30
C	2.00
C-	1.70
D+	1.30
D	1.00
F	0.00
W	Official Withdrawal from the University
WP	Withdraw passing
WF	Withdraw failing
I	Incomplete
P	Passed
U	Unsatisfactory*
AU	Audit
NC	No credit

### *\*Developmental Courses*

Students must complete reading, English, mathematics, and all major required courses with a minimum grade of "C." The "C-" grade is not a passing grade in the aforementioned courses. Students who are failing a general education course at midterm must pre-register to repeat that



course during the next scheduled offering. **All repeated courses must be taken at Florida Memorial University.**

Students may be given an "I" only if a small part of the course is missed because of unavoidable circumstances and there is a reasonable chance of obtaining a "C" or better if the students complete the missing work. Students must complete this work within the established period of time (see Academic Calendar) *without further registration or class attendance*. Failure to adhere to this policy within one semester after receiving a grade of incomplete will result in the grade of "I" converting to the grade of "F." Students who have filed for graduation may not receive an "I" during the term in which they plan to graduate. If a grade of "I" is received, the student must reapply for graduation at the next scheduled application period.

### **Grade Reports**

Students may review their grades via the University's website. A password is necessary to access this program. The report will also reflect the term grade point average and a cumulative grade point average. Grade reports are unofficial records. The University reserves the right to withhold the grade reports of students with financial obligations.

### **Grade Appeal**

Students may appeal a grade in a course if it is demonstrated that a faculty member has made a capricious or prejudicial evaluation in grading. To resolve grade grievances, students must adhere to the following procedures:

1. Discuss the problem with the instructor with whom they have the grievance
2. Meet with the school dean if the problem cannot be resolved with the instructor
3. File a written grade appeal with the Grade Dispute Committee if the school dean cannot resolve the problem.

A written grade appeal must be appropriately filed in the semester following the one in which the disputed grade was given.

### **Change of Grades**

Final grades can be changed only in instances of documented error. Grade changes must be reported by the professor on the Change of Grade Form. The form must be signed by the instructor and submitted with the appropriate documentation to the dean who in turn will submit it the Provost and Vice President. Upon approval, the form is forwarded to the Office of the Registrar where the grade change is recorded. Upon request, a student whose grade is changed will receive a student copy of the transcript reflecting the grade change. A grade may not be changed after two (2) semesters have elapsed, unless a written appeal by the student has been upheld, after the aforementioned time period.

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## ACADEMIC HONORS

### Honors at Graduation

The following honors are awarded at graduation to students who have maintained high scholarship.

<i>Cum Laude-</i>	cumulative grade point average of 3.20 to 3.49.
<i>Magna Cum Laude-</i>	cumulative grade point average of 3.50 to 3.79.
<i>Summa Cum Laude-</i>	cumulative grade point average of 3.80 or higher.

### Other Academic Honors

<i>The President's List-</i>	Full-time students who have earned a semester grade point average of 4.0 (with a minimum of 12 semester hours and above)
<i>The Dean's List-</i>	Full-time students who have earned a semester grade point average of 3.5 to 3.99 (with a minimum of 12 semester hours and above)
<i>The Honor Roll-</i>	Full-time students who have maintained a semester grade point average of 3.0 to 3.49 (with a minimum of 12 semester hours and above)

Students enrolled in fewer than 12 semester hours of coursework, who have incomplete grades or pending grade changes, will not be considered for academic honors for that semester.

### HONOR SOCIETIES

**Alpha ETA Rho** – is an international professional college aviation fraternity (open to male and female students) that serves as a contact between the aviation industry and educational institutions to foster, promote, and mentor today's college students towards successful careers in any aviation field. Established in 1929, membership is open to aviation-related majors who maintain a GPA of at least 3.0.

**Alpha Kappa Mu** - Alpha Kappa Mu National Honor Society is a general scholarship honor organization that is open to junior and senior men and women in all academic areas. The society was founded at Tennessee A & I State University in Nashville on November 26, 1937.

Alpha Phi Chapter of Alpha Kappa Mu at Florida Memorial University is open to all juniors and seniors with a GPA of 3.3 or better. The purpose of the Society is to promote high scholarship, to

encourage sincere and zealous endeavor in all fields of knowledge and service, to cultivate a high order of personal living, and to develop an appreciation for scholarly work.

***Sigma Tau Delta*** - Sigma Tau Delta is an International English Honor Society. Sigma Tau Delta's central purpose is to confer distinction upon students of the English language and literature in undergraduate, graduate, and professional studies. Sigma Tau Delta also recognizes the accomplishments of professional writers who have contributed to the fields of language and literature. One of the largest members of the Association of College Honor Societies, Sigma Tau Delta has over 600 active chapters, more than 900 faculty sponsors, and inducts approximately 7,000 members annually. Members have the opportunity to be recognized for their outstanding achievements, enrich their education, receive help making career choices, and advance their careers.

***Kappa Delta Pi*** - Kappa Delta Pi is an International Honor Society dedicated to scholarship and excellence. The Society was founded March 8, 1911. Florida Memorial University received its Charter April 23, 1995. The Society subscribes to four ideals: Fidelity to Humanity, Science, Service and Toil. Invitation to membership in the FMU Phi Eta Chapter is extended to undergraduates who have obtained or earned an overall grade point average of 3.0 or above and to faculty and University administrators.

***Delta Mu Delta*** - Delta Mu Delta National Honor Society in Business Administration is to promote higher scholarship in training for business and to recognize and reward scholastic attainment in business subjects. Membership in Delta Mu Delta should be the goal of every student in the School of Business. To be eligible for membership, the academic ranking of those being considered must place them in the upper 20 percent of the junior and senior level classes.

***Psi Chi***- Psi Chi National Honor Society in Psychology was founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship, and advancing the science of psychology. Membership is open to graduate and undergraduate men and women who are making the study of psychology one of their major interests and who meet the minimum qualifications. Psi Chi is a member of the Association of University Honor Societies (ACHS) and is an affiliate of the American Psychological Association (APA) and the American Psychological Society (APS). Psi Chi functions as a federation of chapters located at more than 975 senior colleges and universities in the USA. The national office is located in Chattanooga, Tennessee.

***Upsilon Pi Epsilon***-An International Honor Society for the Computing and Information Disciplines. The mission of UPE is to recognize academic excellence at both the undergraduate and graduate levels in the Computing and Information Disciplines. UPE is a member of the Association of College Honor Societies (ACHS).

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## REGISTRATION

Students must comply with student load requirements as explained in the Academic Regulations section of this catalog.

Dates for early registration, registration, and late registration for fall, spring, and summer semesters are published in the University Academic Calendar. Students are required to register in accordance with this schedule.

Schedules of classes are available on the university's web site ([www.fmuniv.edu](http://www.fmuniv.edu)). Students are urged to study schedules carefully and, in conjunction with their advisors, plan courses of study on the official registration worksheet form. This form is available in the academic advisors' offices.

Students currently enrolled will be charged a late registration fee if not registered early. Students have not completed registration until cleared by the University's Business Office. Registration will be canceled if not completed by the established deadline.

**Students will not be permitted to enroll after the late registration period.**

### **Course Cancellation**

Course(s) may be canceled by school deans in the event of insufficient enrollment or lack of an instructor.

### **Add, Drop and Withdrawals**

Courses may be added during the designated add period at the beginning of each semester. Students may neither register for nor add courses after this period. Courses may be dropped through the second week of the semester. (See appropriate date on the academic calendar.) Students may not drop a course after this period but may only withdraw from the course or the University. Dropped courses are not reflected on the student's transcripts.

### **Withdrawal from Courses**

At the end of the drop period, students may withdraw from one or more courses during the withdrawal period indicated on the academic calendar. "WP" (Withdraw - Passing) or "WF" (Withdraw - Failing) will be given to reflect academic progress at the time of withdrawal.

## **Withdrawal from the University**

Students may withdraw from the University as late as one week before the last week of classes. After this time, official documentation should support an emergency beyond the control of the student. An official withdrawal form must be executed during the term for which the student wishes to withdraw from the University. Students who wish to withdraw from the University should contact the Office of the Registrar for procedural information. The effective date of the withdrawal is the student's last date of attendance according to faculty records. Failure to adhere to these procedures will result in a grade of "F" in all courses in which the student is registered.

A student who leaves the University without official notification due to extraordinary circumstances beyond the student's control and receives failing grades may submit a written request for an academic retroactive withdrawal no later than one semester after the receipt of final term grades. Relevant documentation and a letter of explanation must be submitted to the Registrar's Office. The withdrawal effective date will be the last day of classes of the term in question, according to the University's Academic Calendar.

Students can also be administratively withdrawn from the University at any time by the Registrar upon recommendation by the Vice President for Student Affairs, Provost and Executive Vice President for Academic Affairs, or the President. Such withdrawals may be made for disciplinary reasons, or when students fail to meet financial obligations or academic regulations.

Students whose enrollment at Florida Memorial University is interrupted for more than one semester are required to submit applications for re-admission. The applications must be sent to the Office of Admissions. Students placed on academic suspension must remain in that status for one semester (fall or spring) before being considered for readmission. Students who voluntarily withdraw from the University for one or more academic years are required to apply for re-admission. Degree requirements stated in the University Academic Catalog for the academic year a student is readmitted must be satisfied.

## **Auditing a Course**

Students may register to audit courses with the written approval of the instructor and the dean of the major school. Credit will not be granted for audited courses. Students are not required to prepare written assignments or to take examinations. A per credit hour fee for each course audited is assessed according to the current fee schedule.

### Concurrent Enrollment at another University

Students may be allowed, in extenuating circumstances, to enroll in another regionally accredited institution for specified courses. Approval of the school dean and Provost and Vice President for Academic Affairs is necessary. Failure to obtain approval will cause denial of credit. Further, students seeking concurrent enrollment are limited to the conditions of Florida Memorial University student credit load and grade requirement policies.

### Transient Permit

**Florida Memorial University** - Students who enroll at other institutions with the intention of using credits earned toward graduation from Florida Memorial University must receive prior permission from the school dean and the Provost and Vice President for Academic Affairs. Students must complete a Transient Permit Form available from the Office of the Registrar.

Students may take courses only at other regionally accredited institutions. Only grades of "C" or better can be applied to Florida Memorial University transcripts.

**Other Institutions** - Students from other institutions who enroll at Florida Memorial University should present approval from the home institution prior to registering for courses.

### Classification of Students

Florida Memorial University classifies students by level and special status according to the number of hours completed.

Classifications by level are as follows:

<b>Freshman</b>	- 0 to 29 semester hours
<b>Sophomore</b>	- 30 to 59 semester hours
<b>Junior</b>	- 60 to 89 semester hours
<b>Senior</b>	- more than 89 semester hours

*Students who are not enrolled in degree programs are classified as non-degree seeking students.*

## ACADEMIC HONOR CODE

Florida Memorial University recognizes honesty and integrity as necessary to the academic purpose and function of the institution. The University, therefore, expects a high standard of individual honor in all academic endeavors from each student.

Academic dishonesty includes cheating, plagiarism, forgery, collusion, and credential misrepresentation. Students found guilty of academic dishonesty are subject to disciplinary action, including loss of credit, suspension, or immediate dismissal from the University.

**Cheating** - The use or attempt to use unauthorized materials, information, study aids, or computer-related information. This includes giving or receiving, offering or soliciting information on tests or written assignments, and/or using notes or books other than those explicitly permitted by the instructor during an examination.

**Plagiarism** - Representation of words, data, works, ideas, computer programs, or anything not generated in an authorized fashion properly cited as one's own.

**Forgery** - Willful misrepresentation or altering of documents with intent to defraud. It is a crime punishable by law. Its most common occurrence among students includes, but is not limited to, the misrepresentation of signatures (especially that of an academic advisor) on official documents of the University or the attempt to cash checks that are not lawfully their own.

**Collusion** - Cooperation of student(s) with staff personnel in securing confidential information/material (tests, examinations, etc.); bribery by student(s) or staff personnel to change examination grades and or grade point average(s); cooperative efforts by students and student assistant(s) in gaining access to examinations or answers to examinations for distribution; and resubmission of term papers and/or reports that have been submitted previously and graded, but have been secured and re-circulated among students.

**Credential Misrepresentation** - Use of untrue written statements regarding matters of fact in order to gain admission to or employment at Florida Memorial University. This also includes misstatements of fact, distribution of false printed material, and conduct manifestly intended to deceive or mislead.

## **STUDENT RECORDS**

Florida Memorial University does not release student record information, except as permitted under the Buckley-Pell Amendment to the Family Educational Rights and Privacy Act of 1974 (FERPA).

Student records are confidential, and information which can identify a student will not be released to a third party unless authorized by the student. A record of all authorizations will be kept in the student's file. Students may request, in writing, access to personal official records and may challenge the accuracy of records maintained by the University. The Office of the Registrar will respond to any request within ten working days.

Requests for official or unofficial Florida Memorial University transcripts are made in person to the Office of the Registrar or by the U.S. mail. Telephone requests will not be honored. Third party requests must include a signed release authorization from the student.

The following information is necessary to process a transcript:



- Student name
- Student identification number or Social Security number
- Date of birth
- Dates of attendance
- Degree(s) obtained (if any)

The request must be signed and dated by the student the full address of the person or institution receiving the transcript. A \$3.00 fee is required, in cash or money order for each copy of the transcript.

Transcript requests should be addressed to:

Registrar's Office  
Florida Memorial University  
15800 NW 42nd Ave.  
Miami Gardens, FL 33054

Students negotiating with co-op employers who require grades should request a transcript in the usual manner and allow the usual time.

### **Rights Granted To Students Under The Buckley-Pell Amendment To The Family Educational Rights and Privacy Act Of 1974 (FERPA-Public Law 93-380)**

To comply with the Buckley-Pell Amendment to the Family Education Rights and Privacy Act of 1974, commonly called the Buckley Amendment, the administration of Florida Memorial University informs the students of their rights under this act. The law affords students rights of access to educational records and protects students from the release and disclosure of those records to third parties. Educational records are those records, files, and other materials that contain information directly related to a student's academic progress, financial status, medical condition, etc., and are maintained by the university or a party acting on behalf of the university.

### **EDUCATIONAL RECORDS**

Educational records are defined as those records created to assist the offices of academic divisions, admission, business, evening degree program, financial aid, president, provost, registrar, student affairs and institutional research in their support of basic institutional objectives and any records identified by student name that contain personally identifiable information in any medium. Educational records, with the exception of those designated as directory information (described below), may not be released without the written consent of the student to any individual, agency, or organization other than the following authorized personnel or situations:



1. Parents, if student is a dependent as defined by Section 152 of the Internal Revenue Code of 1954.
2. Florida Memorial University faculty and staff who have an educational interest in the student.
3. Officials of other schools in which the student seeks to enroll (transcripts).
4. Certain government agencies specified in legislation.
5. An accrediting agency in carrying out its function.
6. In emergency situations where the health or safety of the student or others is involved.
7. Educational surveys where individual identification is withheld.
8. In response to a judicial order.
9. In a campus directory after the student has deletion options.
10. In connection with financial aid.

Student may request, in writing, an opportunity to review their official educational records maintained by the university. Educational records excluded from student access are:

1. Confidential letters and statements of recommendation which were placed in the record before January 1, 1975.
2. Medical and psychological information.
3. Private notes and procedural matters retained by the maker or substitutes.
4. Financial records of parents or guardian.

Students may challenge any data in their educational record that is considered to be inaccurate or misleading. Student must submit the challenge in writing as stated below. For more information about educational records maintained by the university, students should contact the registrar.

## **Directory Information**

The university may release directory information to parties having a legitimate interest in the information. Directory information consists of the following: student name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of athletes, date of attendance, degrees and awards received and most recent previous educational agency or institution attended by the student. Mailing lists of Florida Memorial University students will not be provided outside the university community except to the U.S. Department of Defense for military recruiting purposes as required by the Solomon Amendment. Students who wish to exercise their rights under the law to refuse to permit release of any or all of the categories of personally identifiable information with respect to themselves must notify the registrar in writing, preferably before completion of registration for the first term of enrollment for that academic year.

## **Student Review of Records**

To review his or her student records, a student must submit a written request to the registrar. Request forms for such a hearing and information about the procedures to be followed are available in the registrar's office. Access will be made available within 45 days of receipt of the written request. Certified transcripts may be withheld if a student has not met all obligations to the university. After inspection of a record, the student has the right to challenge any material which may be inaccurate or misleading or which violates the student's privacy. The student may do so by requesting the correction or deletion of such information in writing on the above listed form. This appeal may be handled in a formal meeting with the party or parties concerned or through a formal hearing procedure. Formal hearing procedures are as follows:

- a) The hearing shall be conducted and decided within a reasonable period of time following the request for a hearing.
- b) The hearing shall be conducted and the decision rendered by an institutional official or other party who does not have a direct interest in the outcome of the hearing.
- c) The student shall be offered a full and fair opportunity to present evidence relevant to the issues raised.
- d) The decision shall be rendered in writing within a reasonable period of time after the conclusion of the hearing.

**Note:** A hearing may not be convened to contest grades. The grade appeal procedures are listed in the Grade Appeal policy of the catalog.

## **Student's Written Consent to Release Educational Records**

Written consent by the student to release educational records to a third party must specify the records to be released and the recipient of such records. Request forms for the release of appropriate records are available in each office containing educational records.

## **Notification of Parents**

Parents may obtain non-directory information (grades, GPA, etc.) only at the discretion of the institution and after it has determined that the child is legally their dependent. Florida Memorial University recognizes the importance of support and interest of parent and families of students in all areas of the college program. Students are encouraged to share information about their experience and programs with their families. In keeping with the philosophy, it is not Florida Memorial University's policy to disclose non-directory information based solely on dependent status. Parents may also acquire non-directory information by obtaining and presenting a signed consent from their child.

Further information relating to the Buckley-Pell Amendment to the Family Education Rights and Privacy Act of 1974 (FERPA) may be obtained by contacting the Registrar, Florida Memorial University, 15800 NW 42<sup>nd</sup> Avenue, Miami Gardens, Florida 33054.

## VETERANS AFFAIRS

Florida Memorial University maintains a Veterans Affairs Office in the Office of the Registrar to assist veterans and dependents of veterans who are entitled to V.A. educational benefits under Chapter 30, 32, or Chapter 35 of Title 38, U.S. Code and Chapter 106, Title 10, USC.

### Standards of Progress Policy for Veterans

Students are considered to be in good academic standing when their cumulative grade point average is a minimum of a 2.0. Florida Memorial University's policies on academic warning, probation and suspension are based on the potentiality that students can overcome academic difficulty and make appropriate progress toward a degree.

<b>Academic Warning (<i>Freshmen Only</i>)</b>	<i>(See page 43)</i>
<b>Academic Progress</b>	<i>(See page 43)</i>
<b>Academic Probation</b>	<i>(See page 43)</i>
<b>Academic Suspension</b>	<i>(See page 43)</i>
<b>Academic Appeal</b>	<i>(See page 43)</i>
<b>Academic Dismissal</b>	<i>(See page 43)</i>
<b>Re-admission</b>	<i>(See page 44)</i>

**Termination of Veterans Benefits** - A student receiving Veterans Educational Benefits who is placed on academic warning must regain a cumulative grade point average of 2.0 or better at the end of the semester following the notification. If, at the end of this semester, the cumulative grade point average is below 2.0, the U.S. Department of Veterans Affairs will be notified concerning termination of the student's veterans educational benefits.

## CENTER FOR URBAN ENVIRONMENTAL STUDIES

The Center for Urban Environmental Studies provides educational and research opportunities to faculty and students and outreach to communities on environmental issues with emphasis on South Florida. The Center has six components:

- Bachelor of Science in Environmental Studies
- Minors in Ecology and Environmental Studies
- Community Environmental Education, Awareness, and Outreach
- Faculty Development
- Campus Environmental Awareness and Student Internships, and
- Environmental Research

Interested faculty may apply to become Center Associates by contacting the Director or the Associate Director. Students who are interested in majoring in Environmental Studies or in participating in environmental internship experiences should also contact the Director. The Center and its Geographical Information System (GIS) Lab are located in LEH 206.

## **UNIVERSITY LIBRARY AND SERVICES**

### **MISSION STATEMENT**

The mission of the Nathan W. Collier Library is to provide resources and instructional materials in support of the transmission and exchange of scholarly information. The library evaluates its programs, collections, technology, service delivery, and other activities on a regular basis, in order to meet the challenges of a changing technological and global society. The library seeks to be both an educational resource center for the university community, and a learning organization that constantly works to maximize its effectiveness in accomplishing its mission.

### **GRANTS AND SPONSORED RESEARCH**

The Office of Grants and Sponsored Research assists the faculty and staff in identifying grant and research funding opportunities, in writing and developing grant proposals, and in monitoring grants management activities.

Its goal is to advance the mission of the University through the use of external funds received from grant and contract awards. To this end, the office endeavors to encourage and support grant writing, grants management and sponsored research activities as these processes enhance teaching and learning, support institutional growth, promote faculty development and provide service to the community (see the Office of Grants and Sponsored Research for a copy of the Proposal Writing and Grant Development Guide).

Grant and contract funds received by the University are managed in accordance with restrictions imposed by the external funding agency or organization and in accordance with standard and generally accepted accounting principles and federal regulations. This office assists with the implementation of grants and contracts, with the monitoring of program expenditures, and with grant reporting and closeout requirements.

### **THE OFFICE OF INSTITUTIONAL EFFECTIVENESS**

The Office of Institutional Effectiveness is responsible for the collecting, recording, disseminating and reporting vital data related to all aspects of the University. The key functional areas of this Office are Institutional Research, Strategic Planning, and Assessment. Additionally, the Office of Institutional Effectiveness is responsible for the oversight of all University Accreditations (Regional, Departmental, and Programmatic). This Office also conducts Program Reviews, Faculty/Staff Workshops, and the coordination of the meetings for

the purpose of reviewing, developing or enhancing the University's Strategic Plan. The Office also serves as a clearinghouse for appropriate University statistics.

The Office of Institutional Effectiveness operates under the auspices of the Provost and Vice President for Academic Affairs and is managed by the Associate Vice President for Institutional Effectiveness.

This Office serves to contextualize data and inform institutional decision making related to budgeting, resource allocation, annual planning, implementation of action plans, and assessment schedules. This Office aims to achieve this by maintaining objectivity, while appropriately assessing, analyzing, interpreting, and sustaining the integrity of the University's data.

**The Office of Institutional Research** is responsible for the collection, analysis, and reporting of official information about the University, its students, and faculty. This includes reporting the United States Department of Education's Integrated Postsecondary Education Data System (IPEDS) annual surveys, The University Fund/UNCF's Annual Survey, and the Independent Colleges and Universities of Florida's Accountability Report. It assists other offices in the construction, administration, and analysis of surveys and reports. It also prints, distributes, analyzes, and reports the Course and Instructor evaluation survey during the fall and spring semesters. The Office is staffed by a Director, a staff assistant, and several student assistants.

**The Mission of the Assessment Office** is to assist the campus community in developing and maintaining a quality assessment program for the institution that is based on student learning outcomes and assessment of administrative support of the University's Mission. The Assessment Director is dedicated to supporting Florida Memorial University's commitment to academic excellence.

#### **PRE-COLLEGE/DEVELOPMENT COURSES**

Students who on the basis of test scores administered by Florida Memorial University exhibit deficiencies in English, reading, or mathematics will be required to take appropriate courses prior to enrolling in courses in the Core Curriculum. Students will receive letter grades for these courses. Developmental courses will not be counted as part of credit hours required for graduation. Developmental courses become a part of the student's permanent academic record. Additional information pertaining to these courses is found in the Freshman Studies section of the catalog.

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## FRESHMAN STUDIES

The principal mission of the Freshman Studies Department is to provide freshmen with the skills and support necessary to become successful in their chosen field of study and to implement a comprehensive program for their retention. To this end, Freshman Studies offers and instructs students in a college success and study skills seminar and oversees and monitors the progress of the students. Freshman Studies also provides instruction for students in developmental English, mathematics, and reading courses.

The Department serves as the initial point of entry for all first-year students and for undeclared transfer students who have earned less than 60 credit hours. Additional academic services provided by the Department include academic advising, degree plan development, skill enhancement and reinforcement, tutorial services and thematic workshops for student development. In its institutional role, the Freshman Studies Department:

- provides academic advisement for students during their tenure as freshmen;
- provides comprehensive support for retention;
- orients new students to the University;
- instructs students in preparatory level English, reading, and mathematics;
- offers a college and life success seminar (FMU 101 University 101);
- provides supplemental instruction through academic skills laboratories;
- oversees and monitors the academic progress of students; and
- certifies student for major department transitioning.

### *Entrance Requirements*

Most new students are required to take the Accuplacer Computerized Placement Test (CPT) or an equivalent standardized placement examination prior to registering for classes. The CPT measures achievement levels in reading, English, and mathematics. Based on the results of the test, students are assigned appropriate college-level courses, pre-college level preparatory courses or both. New, non-transfer, students are not required to take a placement test if they have the minimum scores and/or grades listed on either of the tests below:

- ACT 19 (Composite)
- SAT Math (Quantitative) 440
- SAT Verbal or Writing 420

International students with passing grades (or scores I-V) in Ordinary Level (O Level) and GCE Advance Level (A Level – now known as CAPE) are also exempt from taking the placement test. Transfer students who have declared a major (and are not required to take pre-college/developmental studies courses in English, mathematics, and reading) are referred immediately to the degree-granting school of choice for advisement.

### ***Progression Standards***

Students must pass each course in any sequence of reading, English, or mathematics courses with a grade of "C" or better. Students who earn midterm grades of "C-", "D", "D+" or "F" in any reading, English, or mathematics course(s) must pre-register for that same course(s) before advancing to the next course in the sequence. Grades of "C-", "D", "D+" and "F" are not passing grades, and the class must be repeated immediately before enrolling in the next level of the course. The grade of "C-" is considered passing in FMU 101 – University 101.

### ***Mathematics Resource Center***

The Mathematics Resource Center is a supplemental learning assistance facility in the Freshman Studies Department. The Mathematics Resource Center provides a supportive environment where students can work to enhance academic performance on concepts explored in class. The Mathematics Resource Center services include tutoring, remediation, reinforcing, enriching, and classroom work. Priority is given to students who must complete required laboratory hours in conjunction with their courses although other students seeking assistance are served. The essential assistance strategy is one-on-one and small group tutoring with subject area professionals and peer tutors. Thematic workshops related to mathematical concepts are organized to address a limited range of academic concerns. In addition, tutors work with study groups to review for midterm and final examinations.

### ***Academic Skills Laboratory***

The computerized Academic Skills Laboratory provides students an opportunity to reinforce classroom instruction and to eliminate specific academic deficiencies through the use of computer software programs. The Skills Lab is used by students primarily to strengthen skills in all areas. Students may also develop skills in the use of computers (especially word processing). The laboratory coordinator and staff assist, monitor, and supervise students who are referred to the laboratory by instructors.

### ***Writing Center***

The Writing Center is a complimentary laboratory component of the Freshman Studies Department designed to assist students in developing, improving, and enhancing their writing skills. Students are aided in acquiring the necessary skills to write effectively through individualized tutoring and computer-assisted instruction. Portfolios are maintained by the Center's personnel for students and instructors to monitor students' progress.

### ***Center for Advisement and Retention (CAR)***

The mission of the Center for Advisement and Retention (CAR) is to coordinate the institutional advising system and provide academic support services which promote academic success and



student progress toward graduation. The CFAA provides developmental, educational and academic skills workshops and serves as a resource for Florida Memorial University faculty, staff and students for issues related to academic advising.

### *Academic Advisement in Freshman Studies*

The Freshman Studies Department is responsible for the initial academic advisement and course scheduling of all new students and the on-going continuous advisement for freshmen and undeclared majors. These processes occur in the Center for Advisement and Retention within the department. **The academic advising program is designed to provide students with guidelines necessary to progress through college-level credit courses and chart appropriate initial courses of study and assist students in determining where they may be best suited in exploring major career options.** The advising process begins prior to new student orientation and continues throughout the students' tenure in the department. Components of the advising process are workshops and seminars, the college catalog, degree plans, check sheets, transcripts/academic history, related test scores, transfer credits, and the assigned advisor. Students should confer with an advisor regularly. **However, advising errors do not exempt students from the responsibility of meeting all degree requirements for graduation.**

### *Pre-College/Developmental Studies Program*

The goal of the Pre-College/Developmental Studies Program is to strengthen academically under-prepared students in English, mathematics, and reading through intensive instruction and tutorial assistance. As a consequence, students' skills are improved and brought to college-level in the related areas. These courses are required for all freshmen and some transfer students whose college placement test results fall below the minimum requirement for enrolling in required courses in the core/general education curriculum. All Pre-College/Developmental Studies Program courses include laboratory assignments in addition to regular classroom assignments and participation. Students must successfully complete pre-college/developmental courses within three (3) grading periods. Pre-College/Developmental Studies Program courses require a minimum grade of "C" for passing. **Because of the preparatory nature of the program, credits earned in pre-college developmental courses do not count toward minimum graduation requirements.** Students may use credits earned in these courses to qualify for financial aid, however. Additionally, grades and credits earned in these courses continue to be included in the GPA and are not deleted from the calculation until all other degree requirements have been met.

### *Pre-College/Development Studies Program Curriculum*

DSE 099 Essentials of College English	3
DSM 099 Essentials of College Math	3
DSR 099 Essentials of College Reading	3



#### Pre-College Developmental Studies Program Guidelines

1. Students testing into DSE 099 may not enroll concurrently in writing intensive courses.
2. Students testing into DSM 099 may not enroll concurrently in computation intensive courses.
3. Students testing into DSR 099 may not enroll concurrently in reading intensive courses.
4. Students enrolled in two or more pre-college/developmental studies courses may enroll in a maximum of 15 credit hours at the discretion of a Freshman Studies advisor with appropriate courses.

### **PRE-COLLEGE/DEVELOPMENTAL STUDIES**

#### **DSE 099 Essentials of College English (3) F, Sp, Su**

This course prepares students to be successful in ENG 101 College Writing I. The course concentrates on the fundamentals of edited American English for writing and addresses grammar, mechanics, usage, sentence structure, and paragraph development in essays. Information technology is incorporated throughout the course.

#### **DSM 099 Essentials of College Math II (3) F, Sp, Su**

This course prepares students to be successful in MAT 110 Intermediate Algebra. As an introductory Algebra, the course covers simplifying and evaluating algebraic expressions, and solving linear equations involving integers, fractions, decimals, percents, and their applications. The course also covers reading and interpreting graphs, simplifying polynomials and exponents, factoring expressions, and solving basic geometry problems.

#### **DSR 099 Essentials of College Reading (3) F, Sp, Su**

This course helps students develop proficiency for reading university-level materials. The course emphasizes vocabulary development, comprehension, and critical thinking skills.

### **TESTING CENTER**

The Testing Center provides testing services for Florida Memorial University students, faculty, staff and the community. Florida Memorial University is a national test center. National tests include ACCUPLACER, ACT, SAT, CLEP, DSST, LSAT, and TOEFL. As a member of NCTA (National College Testing Association), the Center also participates in the CCTC (Consortium of College Testing Centers) which is a referral service that facilitates test administration services for distance learning students. In addition, the Center serves as a test site for several of the nation's leading certification and licensure testing companies. Services for faculty include proctoring exams, scoring multiple-choice tests and providing analyses of the results. Testing Center administers placement tests to freshmen to identify the students' academic levels in reading, writing and mathematics. Results from the assessment are used to advise students and design course schedules that encourage students to take advantage of their strengths and move toward improvement of their weaknesses. Florida Memorial University awards college credit for standardized examinations that authenticate the required knowledge and competencies for

one or more subject areas. The credit awarded, based on the University's approved course equivalents, will appear on the student's official College transcript as earned credit only.

## CORE CURRICULUM

The purpose of the core curriculum is to expose students to a common body of knowledge which lays the foundation for upper level courses. The core curriculum is also designed to ensure that students have some exposure to the content and methods of inquiry in the major subject fields in a liberal arts education. The core curriculum follows:

### **African American History (3 credits)** *Select 1 from the following:*

HIS 103 African American History I OR  
HIS 104 African American History II

### **Communications (12 credits)**

ENG 101 College Writing I  
REA 101 Critical Thinking and Reading or  
ENG 111 First Year Literature  
ENG 102 College Writing II  
COM 103 Introduction to Public Speaking

### **College and Life Skills (3 credits)**

FMU 101 University 101

### **Health (2 credits)**

PED 110 Dimensions of Wellness

### **Religion (3 credits)**

REL 101 Introduction to Religion or  
REL 201 Introduction to Philosophy\*

### **Natural Sciences (6 credits)** *Select 2 from the following:*

BIO 101 Biological Science  
PSC 101 Physical Science  
ENV 101 Introduction to Environmental Studies OR  
6 credits of more advanced science courses

### **Quantitative Reasoning (6 credits)** *Select 1 option:*

#### Option I

MAT 110 Intermediate Algebra  
MAT 111 College Algebra

OR

#### Option II

6 credits of more advanced mathematics courses

MAT 112 Pre-Calculus

MAT 113 Trigonometry

MAT 114 Finite Math\*

MAT 201 Calculus I

MAT 202 Calculus II

**Humanities (3 credits)** *Select 1 from the following:*

ART 200 Art Appreciation

DRA 200 Drama Appreciation

MUS 200 Music Appreciation

ENG 405 Creative Writing

**Technology (3 credits)** *Select 1:*

CSC 101 Introduction to Computers

EDU 331 Instructional Technology\*

PEG 101 Introduction to Engineering\*\*

**OR**

3 credits of a more advanced computer course

**Modern Foreign Language (6 credits)** *Select 1:*

SPA 201 Elementary Spanish I

**AND** SPA 202 Elementary Spanish II

**OR**

FRE 201 Elementary French I

**AND** FRE 202 Elementary French II

**OR**

CHI 201 Elementary Chinese I

**AND** CHI 202 Elementary Chinese II

**OR**

SPA 323 Spanish for Native Speaker I

**AND** SPA 324 Spanish for Native Speakers II

**OR**

FRE 312 French for Native Speakers I

**AND** FRE 313 French for Native Speakers II

**Social Sciences (3 credits)** *Select 1 from the following:*

SOC 200 Introduction to Sociology

**OR**

PSY 200 Introduction to Psychology

**History/Government (3 credits)** *Select 1 from the following:*

- ECO 201 Macroeconomics (*for non-business majors*)
- ECO 202 Microeconomics (*for non-business majors*)
- HIS 104 African American History II
- HIS 200 History of the United States
- POL 301 U.S. Government

*\*Core requirement for Education Majors*

*\*\*Core requirement for Pre-Engineering Majors*

Students are exempt from taking Educational and Life Seminar (FMC 101) if they are (a) 25 years or older; (b) hold an associate of arts or science degree from a regionally accredited community University; (c) are transfer students and have taken an equivalent course at a regionally accredited college or university.

***Pre-College/Development Courses***

Students who on the basis of test scores administered by Florida Memorial University exhibit deficiencies in English, reading, or mathematics will be required to take appropriate courses prior to enrolling in courses in the Core Curriculum. Students will receive letter grades for these courses. Developmental courses will not be counted as part of credit hours required for graduation. Developmental courses become a part of the student's permanent academic record. Additional information pertaining to these courses is found in the Freshman Studies section of the catalog.

**HONORS PROGRAM**

The Honors Program provides an alternative academic curriculum for highly motivated students. This advanced curriculum helps prepare students for study in graduate and professional schools upon graduation. The mission of the Honors Program is to inspire students to become leaders within both their professions and communities.

***Admission Criteria***

Admission to the Honors Program requires

- High School GPA of 3.5 and above
- Letters of Recommendation
- SAT score of 1000 or better or ACT score of 23 or better

***Retention in Honors Program***

Students must maintain a cumulative grade point average of 3.0 or better to continue in the Honors Program. If the GPA falls below 3.0, the student will be allowed one semester to raise the GPA to the required level.

### ***Honors Program Curriculum***

Students in the Honors Program curriculum take courses which replace certain core courses of the general education curriculum. Honors students will take Honors Seminar I & II in lieu of education and life seminar requirement; Honors Mathematics I and II in lieu of core mathematics requirement; Honors English I and II in lieu of core English requirements and Reading 101; Insight I and II in lieu of core science requirements; Technology (honors) in lieu of Introduction to Computers; African American History I and II. Please see the Honors Advisor for approval upon satisfactory completion of courses.

#### **First Year**

MAT 103H	Honors Mathematics I	3
ENG 104H	Honors English I	3
SCI 104H	Insight I (Science)	3
SEM 101H	Honors Seminar I	1
MAT 104H	Honors Mathematics II	3
ENG 105H	Honors English II	3
SCI 104H	Insight II (Science)	3
SEM 102H	Honors Seminar II	1

#### **Second Year**

CSC 202H	Technology (Honors)	3
HIS 201H	African American History I	3
HIS 202H	African American History II	3

#### **Third Year**

RSC 303H	Research Methods (Honors)	3
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#### **Fourth Year**

RSC 403H	Honors Thesis	3
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## SCHOOL OF ARTS & SCIENCES

The mission of the School of Arts and Sciences is to explore the story of the universe and to equip students with the skills they will need to write the next chapter in that story. The School offers its majors and programs through six departments, and is responsible for providing all students with the Liberal Arts foundation that will enable them both to be successful in their chosen major and to be life-long learners.

### **DEPARTMENT OF AVIATION AND SAFETY**

The Department of Aviation & Safety offers the following degree programs:

- The Bachelor of Science in Aeronautical Science (Concentration in Flight Education)
- The Bachelor of Science in Aeronautical Science (Concentration in Air Traffic Control)
- The Bachelor of Science in Airway Science (Concentration in Airway Science Management)
- Minor in Homeland Security
- Minor in Aviation Safety

The Department offers rigorous programs designed to educate future administrators and technical managers of the aerospace industry. The curriculum stresses quantitative reasoning, human factors, human resources management, written and oral communications, computer literacy, and aeronautics. In addition, aviation programs incorporate problem recognition and solving, critical thinking, and decision-making to bridge the gap between theory and practice. Individuals with an aviation related degree will have a broad perspective of the aerospace industry, the environments in which it operates, and its impact on global transportation and economics.

Academics and flight instruction are supported by a fleet of enclosed simulators. Students must complete all major courses with a grade of C (2.0) or better and maintain a minimum cumulative GPA of 2.0.

### **Department Mission Statement**

The Department of Aviation & Safety produces students who embrace the importance of becoming global citizens through life-long learning, leadership, character, and service in the field of aerospace, safety and security, which will, in turn, enhance their lives and the lives of others.

## **Departmental Goals**

Graduates of the department will

- demonstrate the ability to function effectively in technical, administrative, supervisory, managerial, and crewmember positions in the aerospace industry.
- demonstrate an understanding of the technical nature of the aerospace industry and the interfaces that exist between and among technology, human, and other resources.

## **Departmental Student Learning Outcomes**

Graduates of the department will

- apply mathematics, science and applied sciences to aviation-related disciplines
- demonstrate the ability to analyze a problem, identify and define the computing requirements appropriate to its solution
- demonstrate the ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs
- demonstrate the ability to function effectively on teams to accomplish a common goal.
- demonstrate the ability to make professional and ethical decisions
- demonstrate the ability to communicate effectively, using both written and oral communication skills
- demonstrate the ability to engage in and recognize the need for life-long learning and assess contemporary issues
- demonstrate the ability to use the techniques, skills, and modern technology necessary for professional practice
- demonstrate the ability to assess the national and international aviation environment.

*Bachelor of Science in*

## **AERONAUTICAL SCIENCE**

*(Concentration in Air Traffic Control)*

This program prepares students to apply technical knowledge and skills to air traffic management and control. It includes instruction in flight control; the use of radar and electronic scanning devices; plotting of flights; radio communication; interpretation of weather conditions affecting flights; flight instrumentation used by pilots; and maintenance of flight-control center or control-tower log books. This degree program further prepares students to become qualified for hire by the FAA or private sector entities providing air traffic control services.

IMPORTANT NOTE: Prior to selecting the Air Traffic Control concentration, an interested student must meet with the Director of Aviation & Safety to determine eligibility. The Federal Aviation Administration imposes specific conditions and requirements upon all prospective controllers and employees. In addition, while graduates will have received extensive training in air traffic control, they must pass the Air Traffic Selection and Training Test Battery (ATSAT), a

rigorous physical exam, a drug test, and an intensive security and background investigation before employment with the FAA can be pursued.

### Program Mission

The Aeronautical Science (Concentration in Air Traffic Control) Program prepares students to apply technical knowledge and skills to air traffic management and control.

### Program Goal

Students will pass the Air Traffic Selection and Training Test (ATSAT) with a highly qualified rating.

### Student Learning Outcomes

Graduates will

- demonstrate proficiency in airport ground operations, radar and electronic scanning devices and flight plotting.
- demonstrate proficiency in oral/written communication.
- demonstrate proficiency in interpretation of weather conditions affecting flight operations.
- demonstrate proficiency in the maintenance of flight-control center or control-tower log books.
- demonstrate sound judgment and decision making concerning all areas of flight safety.

### Graduation Requirements

This program requires a minimum of 122 semester hours for completion. 53 credit hours are devoted to required core curriculum courses; 51 credit hours cover Aviation/Air Traffic Control courses; 3 hours are devoted to business courses; and 9 hours of additional electives. All core air traffic control courses must be completed with a grade of "B" (3.0) or better.

#### Freshman Year

##### First Semester

AWS 201 Intro to Aeronautics 3  
ENG 101 College Writing I 3  
FMU 101 University 101 3  
COM 103 Intro to Public Speaking 3  
REA 101 Critical Think & Read 3  
or  
ENG 111 First Year Lit

##### Second Semester

CSC 101 Intro to Computers 3  
ENG 102 College Writing II 3  
HIS 103 African American His I 3  
PED 110 Dimension of Wellness 2  
MAT 111 College Algebra 3

15

14



**Sophomore Year**

**First Semester**

AWS 232	Air Traffic Control	3
AWS 200	Aviation History	3
BIO 101	Biological Science	3
MAT 112	Pre Calculus	3
— —	Foreign Language I	3
		<b>15</b>

**Second Semester**

PSY 200	Intro to Psychology	3
BUS 211	Prin. of Management	3
REL 201	Intro. to Philosophy	3
AWS 316	Terminal Operations I	3
— —	Foreign Language II	3
		<b>15</b>

**Junior Year**

**First Semester**

— —	HIS/GOV Req.	3
AWS 240	Aviation Weather	3
— —	Aviation Elective	3
ENG 309	Adv Gram& Eng Comp	3
MAT 200	Applied Calculus	3
AWS 235	Air Traffic Control Ops	3
		<b>18</b>

**Second Semester**

PSC 101	Physical Science	3
— —	Aviation Elective	3
MAT 205	Intro to Prob & Stats.	3
AWS 315	ATC Radar Procedures	3
AWS 320	Air Transportation	3
		<b>15</b>

**Senior Year**

**First Semester**

AWS 395	Airport Mgt	3
AWS 305	VFR Tower Ops	3
AWS 410	Adv. Tower Operations	3
AWS 420	Flight Safety	3
AWS 401	Nat'l Airspace System	3
		<b>15</b>

**Second Semester**

AWS 412	Enroute Operations	3
AWS 450	Sr. Project in Aviation	3
AWS 418	Crew Resource Mgt	3
— —	Aviation Elective	3
BUS 361	Leadership App.	3
		<b>15</b>

Total Credit Hours 122

Approved Aviation Electives = Any courses above 100 from AWS, BUS, SAF, CSC, AHS

**MINOR IN AVIATION SAFETY**

This program serves as a foundation for students who have an interest in pursuing graduate work or a career in this area of study. Students are required to complete a minimum of eighteen credit hours from the courses listed below. These eighteen credit hour courses must include AWS 201, AWS 420, and SAF 101. An additional nine credits must come from the selection listed below. All courses must be completed with a grade of "C" (2.0) or better.

**Core Course Requirements Credits**

AWS 201	Introductions to Aeronautics **	3
AWS 420	Flight Safety **	3
SAF 101	Intro. to Occupational Health & Safety	3

**At least nine credits must be chosen from the following:**

SAF 110	System Safety	3
SAF 241	Safety and Security of Aviation Ground Operations	3
SAF 245	Industrial Safety and Health Management	3
AWS 232	Air Traffic Control (Preq – AWS 201, or AVT 201) #	3

<b>AWS 240</b>	Aviation Weather*	3
<b>AWS 415</b>	Seminar in Aviation Science	3
<b>AWS 418</b>	Crew Resource Management*	3
<b>AWS 425</b>	Aircraft Accident Investigation	3
<b>AWS 430</b>	Flight Physiology *	3

\* = Courses required for Aeronautical Science Degree

# = Courses required for Airway Science Degree

**Note:** *Students majoring in Aeronautical Science, Airway Science or Air Traffic Control must select courses not listed as core requirements for their prospective academic degree programs.*

## MINOR IN HOMELAND SECURITY

This minor has a strong focus on the nation's transportation infrastructure and planning for, responding to, and emergency management of events dealing with acts of terrorism and natural and man-made disasters. This minor complements degrees in safety, aeronautical science, airway science management, and criminal justice. 18 credit hours are required from the following courses:

Course	Title	Credits
AHS 101	Introduction to Homeland Security	3
AHS 105	Fundamentals of Transportation Security	3
AHS 201	Contemporary Security Management	3
AHS 215	Disaster Recovery	3
AHS 310	Homeland Security Law and Policy	3
AHS 320	Terrorism & Homeland Security	3
AHS 321	Corporate Security	3
AHS 325	Border Security and Homeland Defense	3
AHS 326	Maritime Security	3

## Additional Information

This minor consists of at least 18 hours of coherent academic course work. At least 6 hours must be fulfilled at the upper level (300- 400). In addition, at least 6 hours of course work applied to this minor must be completed at Florida Memorial University. Students are required to earn a grade of C (2.0) or higher to pass.

## Bachelor of Science in

## AERONAUTICAL SCIENCE

### Concentration in Flight Education

The concentration in Flight Education is the Professional Pilot Program. Students completing this degree will earn the appropriate Federal Aviation Administration (FAA) certificates necessary to seek employment as flight crew members and flight instructors. All flight training is conducted off-campus at a designated Part 141 Flight Training School.

**THERE ARE SIGNIFICANT COSTS ASSOCIATED WITH FLIGHT TRAINING.** Prior to selecting the Flight Education concentration, interested students **MUST** meet with the Director of Aviation & Safety to discuss eligibility requirements as specified by Federal Aviation Regulations as well as cost considerations for flight training. These issues must be fully understood by the student and his/her parents or guardians prior to enrollment.

### Program Goal

Graduates of the Aeronautical Science (Concentration in Flight Education) Degree Program will be proficient aviators who embrace the importance of becoming global citizens through life-long learning, leadership, character, and service in the field of aviation.

### Student Learning Outcomes

Graduates of the Aeronautical Science program with a concentration in Flight Education will

- perform all tasks specified in the areas of operation for the certificate or rating sought with the approved standards.
- demonstrate a mastery of the aircraft with the successful outcome of each task performed.
- demonstrate sound judgment and demonstrate single-pilot competencies.
- exhibit knowledge of the elements related to weather information by analyzing weather reports, charts and forecasts from various sources.
- demonstrate knowledge of the aerospace industry and the interfaces that exist between and among technology, human, and other resources.

### Graduation Requirements

This program requires a minimum of 120 semester hours for completion. 58 credit hours are for required core curriculum courses; 18 credit hours cover aviation technology courses; 32 hours are devoted to aviation science course; and 12 hours are required for additional electives.

#### Freshman Year

##### First Semester

AWS 200	Aviation History	3
AWS 201	Intro to Aeronautics or Priv Pilot Cert. (Ground)	3
ENG 101	College Writing	3
FMU 101	University 101	3
COM 103	Intro to Public Spkg.	3
		<b>15</b>

##### Second Semester

AVT 202	Priv Pilot (Flight)	2
AVT 203	Navigation & Perf.	3
ENG 102	College Writing II	3
MAT 111	College Algebra	3
CSC 101	Intro to Computers	3
		<b>14</b>

#### Sophomore Year

##### First Semester

AVT 301	Instr. Pilot Rating (Grnd)	3
AVT 302	Instr. Pilot Rating (Flt)	2
AWS 420	Flight Safety	3

##### Second Semester

AVT 303	Com. Pilot Cert. (Grnd)	3
AVT 304	Com. Pilot Cert. (Flt)	2
AWS 240	Aviation Weather	3

HIS 103	African American His. I	3	REA 101	Crit. Thkng & Read or	3
PED 110	Dim. Of Wellness	2	ENG 111	First Year Literature	
ENV 101	Intro to Environ. Science	<u>3</u>	BUS 211	Prin. of Management	<u>3</u>
		<b>16</b>			<b>14</b>

**Junior Year**

**First Semester**

___ ___	Aviation Elective	3
AWS 270	Aircraft Engines	3
BIO 101	Biological Science	3
___ ___	Foreign Language I	3
MAT 112	College Algebra	<u>3</u>
		<b>15</b>

**Second Semester**

___ ___	Aviation Elective	3
SSC 102	Cont. Society II	3
___ ___	Foreign Language II	3
PHY 200	College Physics I	3
PHY 201	College Physics I Lab	1
REL 201	Intro to Philosophy	<u>3</u>
		<b>16</b>

**Senior Year**

**First Semester**

AVT 405	Multi-Eng Aircraft Sys.	3
AWS 310	Aviation Legislation	3
AWS 430	Flight Physiology	3
AWS 450	Senior Project Aviation	3
___ ___	Aviation Elective	<u>3</u>
		<b>15</b>

**Second Semester**

___ ___	Aviation Elective	3
AWS 418	Crew Resource Mgt.	3
BUS 361	Leadership Applications	3
ENG 308	Adv. Grammar & Comp.	3
PSY 200	Intro. To Psychology	<u>3</u>
		<b>15</b>

*Bachelor of Science in*

**AIRWAY SCIENCE**

*(Concentration in Airway Science Management)*

A degree in Airway Science Management prepares students for administrative, supervisory, and managerial positions in the aviation industry. The program is oriented to the business nature and human resource needs of the aviation industry. Graduates may pursue entry level positions in airport management, general aviation operations, air carrier management, and various government agencies. All core aviation courses must be completed with a grade of "C" (2.0) or better.

**Program Mission**

Graduates of the Aeronautical Science (Concentration in Airway Science Management) Program will embrace the importance of becoming global citizens through life-long learning, leadership, character, and service in the fields of aviation management.

## Program Goals:

Graduates will

- demonstrate the ability to function effectively in technical, administrative, supervisory, and managerial positions in the aerospace industry.
- demonstrate a mastery of the technical nature of the aerospace industry and the interfaces that exist between and among technology, human, and other resources.

## Student Learning Outcomes

Graduates will

- demonstrate an understanding and awareness of the aviation management culture.
- demonstrate knowledge and appreciation of airport/airline management and security, finance, decision-making and the air transportation system.
- demonstrate knowledge of federal and other aviation regulations and non-aviation regulations appropriate to aviation business operations.

## Graduation Requirements

This program requires a minimum of 120 semester hours for completion. 54 credit hours are for required core curriculum courses; 33 credit hours cover aviation science courses; 12 hours are devoted to business courses; and 15 hours are required for additional electives.

### Freshman Year

#### First Semester

ENG 101	College Writing I	3
AWS 200	Aviation History	3
FMU 101	University 101	3
MAT 111	College Algebra	3
REA 101	Crit Think/Read or	3
ENG 111	First Year Lit	
		<b>15</b>

#### Second Semester

ENG 102	College Writing II	3
CSC 101	Intro to Comp	3
AWS 201	Intro to Aero	3
— —	Aviation Elective	3
HIS 103	Afri Amer Hist I	3
		<b>15</b>

### Sophomore Year

#### First Semester

AWS 232	Air Traffic Control	3
BIO 101	Biological Science	3
BUS 211	Principal of Mgmt.	3
— —	Foreign Language I	3
PSY 200	Intro to Psy.	3
		<b>15</b>

#### Second Semester

— —	Aviation Elective	3
COM 103	Intro Pub Spk	3
— —	Foreign Language II	3
BUS 480	Managerial Psych.	3
REL 201	Intro to Philosophy	3
		<b>15</b>

### Junior Year

#### First Semester

PHY 200	College Physics I	3
PHY 201	College Physics I Lab	1

#### Second Semester

AWS 310	Aviation Legis.	3
PSC 101	Physical Science	3

MAR 301	Principles of Mktg.	3	PED 110	Dim. of Wellness	2
— —	Aviation Elective	3	SSC 201	Contem. Societies II	3
ENG 309	Adv. Grammar & Comp	3	SOC 305	Group Dynamics	3
AWS 320	Air Transportation	3			
		<b>16</b>			<b>14</b>

**Senior Year**

**First Semester**

AWS 390	Airline Mgmt	3
AWS 420	Flight Safety	3
ACC 211	Prin. of Accounting I	3
BUS 350	Human Resource Mgt.	3
— —	Aviation Elective	3
		<b>15</b>

**Second Semester**

FIN 311	Prin. of Finance	3
AWS 351	Aviation Labor Rel.	3
AWS 450	Sr. Project in Avia.	3
BUS 361	Leadership Appl.	3
— —	Aviation Elective	3
		<b>15</b>

**Approved Aviation Electives** = Any Course above 100 from CSC, AWS, BUS, SAF, AHS

## DEPARTMENT OF COMPUTER SCIENCES, MATHEMATICS, AND TECHNOLOGY

The Department of Computer Science, Mathematics, and Technology offers the following degrees:

- The Bachelor of Science in Computer Information Systems
- The Bachelor of Science in Computer Science
- The Bachelor of Science in Management Information Systems
- The Bachelor of Science in Mathematics

The Computer Information Systems (**CIS**) major provides an opportunity for students to learn to combine general business knowledge with the latest software engineering tools and techniques to create and exploit information systems for organization success. The CIS major is a business-related program that focuses on application development. The program prepares students for occupations similar to computer science but with an application-related slant. The CIS student must thoroughly understand the requirements of a business organization to design and specify computer systems.

The Computer Science (**CS**) major provides an opportunity to study algorithms and data structures, and to apply the hardware and software implementations of computers and computer systems. The Computer Science major covers theory and programming. The program also prepares students for a possible research career as well as diverse careers, such as game programming, database design, artificial intelligence, networking, and robotics.

The Management Information Systems (**MIS**) major takes a broad perspective of the computer field extending to management of computers in the business world and the application of information technology. The MIS major is business related and focuses on management of businesses and computer resources along with the behavioral and organizational studies. The MIS major is more business related than the CIS degree and contains less technical emphasis.

The Mathematics (**MAT**) major prepares students for advanced studies or careers as mathematicians, actuaries, mathematical economists, operations researchers, or teachers of mathematics. Mathematics concentrates on the systematic evaluation of mathematic formulas and the application of pure science to real-world problems.

### **Department Mission Statement**

The mission of the Department of Computer Sciences, Mathematics and Technology is to produce graduates who demonstrate knowledge of the fundamentals of their disciplines, intellectual maturity, and high moral and ethical standards. Our graduates will be aware of contemporary local, national, and global issues, they will become lifelong learners, and they will seek continual professional improvements to adapt to the ever-changing technological demands of the contemporary workplace.

In addition, the Department equips general education students with the technological and analytical skills necessary to perform effectively in their careers or professions.

### **Departmental Goals**

1. To create and maintain a high quality education for students
2. To teach students to develop an analytical ability to solve problems using mathematics, and computer and information sciences in a socially responsible way, so that they may continue to apply their knowledge as technology evolves
3. To offer up-to-date technology and laboratory experiences, so students will have technological skills that are current in the workplace
4. To encourage faculty professional development, so that faculty members remain current in their field
5. To support faculty and students in scholarly activities.

### **Departmental Requirements**

1. Complete a minimum of 121 credit hours, including all general education requirements, with a minimum cumulative G.P.A. of 2.0
2. Complete all major courses with a minimum grade of "C"
3. Complete all course requirements and credit hours specified by the degree program
4. Successfully complete a senior project
5. Complete the department exit examination.

## ***Bachelor of Science in*** **COMPUTER INFORMATION SYSTEMS**

The Bachelor of Science degree in Computer Information Systems (CIS) prepares the student for a career using information technology and the computer as tools to solve business problems and to provide organizations with strategic advantages in business operation.

The mission of the CIS program is to produce graduates who demonstrate technical proficiency and those essential business skills necessary to successfully perform in various information technology environments.

Graduates of the CIS program will have a firm foundation in business and technology and an understanding of the way technology helps accomplish applicable goals and objectives.

The CIS major prepares students for possible careers as technical support specialists, computer operators, database administrators, database programmers, system analysts, software engineers, web programmers, network administrators, and multimedia specialists.

### **Program Goals**

The goals of the BS in Computer Information Systems (CIS) program are to ensure that graduates will have the following:

1. The acquisition of quantitative, analytical, problem-solving, and modern business, programming, and technology skills needed to perform effectively in a business environment as an information scientist and/or a graduate student
2. The interpersonal skills essential for productive teamwork and effective written, oral, and graphical communication skills in public settings
3. The professional and social responsibilities and knowledge of ethical values of modern local and global information technology.

### **Student Learning Outcomes**

Each CIS graduate will demonstrate the following:

- A. An ability to apply knowledge of computing and mathematics appropriate to the discipline
- B. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
- C. An ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs
- D. An ability to function effectively on teams to accomplish a common goal



- E. An understanding of professional, ethical, legal, security, and social issues and responsibilities
- F. An ability to communicate effectively with a range of audiences
- G. An ability to analyze the local and global impact of computing on individuals, organizations, and society
- H. A recognition of the need for, and an ability to engage in, continuing professional development
- I. An ability to use current techniques, skills, and tools necessary for computing practices
- J. An understanding of processes that support the delivery and management of information systems within a business application environment.

## **COMPUTER INFORMATION SYSTEMS COURSE REQUIREMENTS**

### **I. GENERAL EDUCATION CORE COURSES (38 CREDIT HOURS)**

CSC101 Introduction to Computers  
 FMU101 University 101  
 REA101/ Critical Thinking & Reading **or**  
 ENG111 First Year Literature  
 ENG101 College Writing I  
 ENG102 College Writing II  
 COM103 Introduction to Public Speaking  
 REL101 Introduction to Religion  
 PED110 Dimensions of Wellness (2)  
 \_\_\_\_\_ Social Sciences Requirement  
 \_\_\_\_\_ African American History  
 \_\_\_\_\_ Humanities Requirement  
 \_\_\_\_\_ Modern Foreign Languages I  
 \_\_\_\_\_ Modern Foreign Languages II

### **SCIENCE COURSES INCLUDE ONE SEMESTER LABORATORY SCIENCE (7 CREDIT HOURS)**

\_\_\_\_\_ Natural Sciences Requirement I  
 \_\_\_\_\_ Natural Sciences Requirement II  
 \_\_\_\_\_ Natural Sciences Requirement Lab

### **II. MATHEMATICS/STATISTICS COURSES (12 CREDIT HOURS)**

MAT111 College Algebra  
 MAT200 Applied Calculus  
 MAT205 Probability and Statistics  
 MAT210 Discrete Mathematics

### **III. CIS ENVIRONMENT COURSES (21 CREDIT HOURS)**

ACC211 Principles of Accounting I

ACC352 Managerial Accounting  
BUS 211 Principles of Management  
MAR301 Principles of Marketing  
ECO\_\_\_ Economics Elective (Macro Economics or Micro Economics)  
FIN301 Business Finance  
\_\_\_\_\_ Business or Computer Elective

**IV. COMPUTER COURSES (42 CREDIT HOURS)**

**List of Computer Classes required for a Major in Computer Information Systems: (42 semester hours of which at least 18 must be advanced.)**

**CORE COMPUTER INFORMATION SYSTEM (24 CREDIT HOURS)**

CSC230 Computer Programming I  
CSC330 Computer Programming II  
CSC333 Systems Analysis and Design  
CSC341 Computer Organization  
CSC360 Computer Operating Systems  
CSC375 Network and Data Communication  
CSC483 Database Concepts and Design  
CSC494 Software Project Development

**ADVANCED COMPUTER INFORMATION SYSTEMS ELECTIVES (18 CREDIT HOURS)**

CSC345 Web Technology  
CSC350 Special Problems I  
CSC351 Special Problems II  
CSC385 Artificial Intelligence  
CSC405 Programming Languages  
CSC430 Computer Programming III  
CSC445 Management Information Systems  
CSC460\* Senior Project (Capstone Course)  
CSC475 Computer Algorithm  
CSC487 Database (SQL) Programming  
CSC490\* Computer Ethics  
CSC493 Computer Security  
CSC498 Cooperative Education in Computer Science I  
CSC499 Cooperative Education in Computer Science II

\* must include these courses

## GRADUATION REQUIREMENTS

This degree program requires a minimum of 120 semester hours for completion.

### Freshman

#### First Semester

CSC 101	Intro to Computers	3
MAT 111	College Algebra	3
ENG 101	College Writing I	3
FMU 101	University 101	3
REA 101	Critical Think & Read	3
or ENG 111	First Year Literature	

15

#### Second Semester

CSC 230	Comp Programming I	3
— —	Natural Science Req. I	3
— —	African American Hist.	3
ENG 102	College Writing II	3
REL 101	Intro to Religion	3

15

### Sophomore

#### First Semester

CSC 330	Comp Programming II	3
MAT 200	Applied Calculus	3
— —	Nat. Science Req. II	3
— —	Nat. Science Req. II	1
	Lab	
COM 103	Intro to Public Spk.	3
PED 110	Dim. Of Wellness	2

15

#### Second Semester

CSC 333	Sys Analysis & Design	3
MAT 210	Discrete Math.	3
— —	Economics Elective (Mac/Micro)	3
— —	Humanities Req.	3
— —	Social Science Req.	3

15

### Junior

#### First Semester

CSC 341	Computer Organ.	3
CSC 360	Operating Systems.	3
ACC 211	Prin. Of Accounting I	3
BUS 211	Principles of Mgmt	3
— —	Foreign Lang. Req. I	3

15

#### Second Semester

CSC 375	Network & Data Comm.	3
ACC 352	Managerial Accounting	3
FIN 301	Business Finance	3
— —	Advanced Comp Elec	3
— —	Foreign Lang. Req. II	3

15

### Senior

#### First Semester

CSC483	Database Concepts & Desi.	3
CSC494	Systems Development	3
— —	Bus or Comp Elective	3
— —	Advanced Comp. Elec.	3
MAT205	Probability & Statistics	3

15

#### Second Semester

CSC460	Senior Project	3
CSC490	Computer Ethics	3
— —	Adv. Comp. Elec.	3
— —	Adv. Comp. Elec.	3
MAR301	Marketing	3

15

## MINOR IN COMPUTER INFORMATION SYSTEMS

*Note: Students choosing to minor in Computer Information Systems must ensure that all prerequisites necessary for the courses listed below are met including mathematics prerequisites.*

CSC333	Systems Analysis & Design
CSC330	Computer Programming II
CSC360	Computer Operating Systems
CSC341	Computer Organization
CSC375	Networks and Data Communications

CSC483 Database Concepts and Design

*Bachelor of Science in*

## **COMPUTER SCIENCE**

The Bachelor of Science degree in Computer Science (CS) prepares students for technical leadership in the information technology industry and for continuing toward an advanced degree and research in Computer Science.

The mission of the Computer Science program is to produce professionally knowledgeable and well-rounded graduates who are prepared to meet the ethical and social obligations in the field of information technology.

The study of Computer Science exposes students to a broad range of fundamental concepts: in programming, data structures, operating systems, database systems, computer architecture, and software engineering. The major may lead to careers as computer programmers, system analysts, software engineers, networking engineers, web developers, database administrators, or systems programmers. This degree is ideal for students who are planning to continue their studies to achieve careers in academics and research in the field of Computer Science.

### **Program Goals**

The goals of the BS in Computer Science program are to ensure that graduates will have the following:

1. A strong foundation in computer science, along with the analytical, problem-solving, and modern programming technical skills and competencies needed to perform effectively as computer scientists
2. The interpersonal skills essential for productive teamwork and effective written, oral, and graphical communication skills in public settings
3. A solid knowledge base and a social awareness, including ethical values needed to perform in the local and global information technology industry.

### **Student Learning Outcomes**

Each CS graduate will demonstrate the following:

- A. An ability to apply knowledge of computing and mathematics appropriate to the discipline
- B. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
- C. An ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs
- D. An ability to function effectively on teams to accomplish a common goal
- E. An understanding of professional, ethical, legal, security, and social issues and responsibilities

- F. An ability to communicate effectively with a range of audiences
- G. An ability to analyze the local and global impact of computing on individuals, organizations, and society
- H. A recognition of the need for, and an ability to engage in, continuing professional development
- I. An ability to use current techniques, skills, and tools necessary for computing practices
- J. An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices
- K. An ability to apply design and development principles in the construction of software systems of varying complexity.

## **I. GENERAL EDUCATION CORE COURSES (38 CREDIT HOURS)**

CSC101 Introduction to Computers

FMU101 University 101

REA101/ENG111 Critical Thinking & Reading **or** First Year Literature

ENG101 College Writing I

ENG102 College Writing II

COM103 Introduction to Public Speaking

REL101 Introduction to Religion

PED110 Dimensions of Wellness (2)

\_\_\_\_\_ Social Sciences Requirement

\_\_\_\_\_ African American History

\_\_\_\_\_ Humanities Requirement

\_\_\_\_\_ Modern Foreign Languages I

\_\_\_\_\_ Modern Foreign Languages II

## **II. SUPPORT COURSES – MATHEMATICS & SCIENCES**

### **MATHEMATICS/STATISTICS COURSES (15 CREDIT HOURS)**

MAT201 Calculus I

MAT202 Calculus II

MAT205 Probability & Statistics

MAT210 Discrete Mathematics

Advanced Mathematics Electives

MAT305\* Geometry

MAT350\* Linear Algebra

MAT211\* Discrete Mathematics II

MAT307\* Number Theory

MAT411\* Numerical Analysis I

\* choose only one advanced math

### Science Courses (14 hours)

Fourteen (14) hours of science include the equivalent of a two semester sequence in a laboratory science are required.

_____	Natural Sciences Requirement I
_____	Natural Sciences Requirement II
PHY201	College Physics I
PHY202	College Physics I Lab
PHY203	College Physics II
PHY204	College Physics II Lab

### III. COMPUTER SCIENCE COURSES (51 CREDIT HOURS)

List of Computer Science Classes required for a Major in Computer Science: (45 semester hours of which 18 must be advanced)

#### *Core Computer Science (21 credit hours)*

CSC230	Computer Programming I
CSC330	Computer Programming II
CSC335	Data Structures
CSC341	Computer Organization
CSC360	Computer Operating Systems
CSC430	Computer Programming III
CSC490	Computer Ethics

#### *Advance Core Computer Science 21 credit hours)*

CSC375	Network and Data Communication
CSC385	Artificial Intelligence
CCS395	Software Engineering Principles
CSC405	Programming Languages
CSC483	Database Concepts & Design
CSC494	Software Project Development
CSC460	Senior Project (Capstone Course)

#### *Computer Science Electives (12 credit hours)*

CSC350	Special Problems I
CSC351	Special Problems II
CSC475	Complexity & Analysis of Algorithms
CSC493	Computer Security
CSC487	Database (SQL) Programming
CSC498	Cooperative Education in Computer Science I
CSC499	Cooperative Education in Computer Science II

## GRADUATION REQUIREMENTS

This degree program requires a minimum of 121 semester hours for completion.

### Freshman

<u>First Semester</u>			<u>Second Semester</u>		
CSC 101	Intro to Computers	3	CSC 230	Computer Program I	3
MAT 201	Calculus I	3	MAT 202	Calculus II	3
ENG 101	College Writing I	3	ENG 102	College Writing II	3
FMU 101	University 101	3	REL 101	Intro to Religion	3
REA 101	Critical Think & Read	3	PED 110	Dim. of Wellness	<u>2</u>
or ENG 111 First Year Literature					
<b>15</b>			<b>14</b>		

### Sophomore

<u>First Semester</u>			<u>Second Semester</u>		
CSC 330	Computer Program II	3	CSC335	Data Structure	3
MAT205	Probability & Statistics	3	MAT210	Discrete Mathematics	3
_____	Natural Science Req I	3	_____	Natural Science Req II	3
_____	African American Hist	3	_____	Humanities Req.	3
_____	Intro to Public Spking.	3	_____	Social Sciences Req.	3
<b>15</b>			<b>15</b>		

### Junior

<u>First Semester</u>			<u>Second Semester</u>		
CSC341	Computer Organization.	3	CSC430	Computer Program III	3
CSC360	Operating Systems	3	CSC375	Network & Data Com.	3
CSC385	Artificial Intelligence	3	MAT____	Advanced Math Elective	3
PHY200	College Physics I	3	PHY202	College Physics II	3
PHY201	College Physics I Lab	1	PHY203	College Physics II Lab	1
_____	Foreign Language Req. I	3	_____	Foreign Lang. Req. II	3
<b>16</b>			<b>16</b>		

### Senior

<u>First Semester</u>			<u>Second Semester</u>		
CSC395	Software Engineering	3	CSC460	Senior Project	3
CSC405	Programming Lang	3	CSC475	Complex & Ana of Alg.	3
CSC483	Database Concepts & Des	3	CSC494	Software Project Dev.	3
CSC____	Computer Science Elec.	3	CSC490	Computer Ethics	3
_____	Elective	3	CSC____	Computer Science Elec.	3
<b>15</b>			<b>15</b>		

### Minor in Computer Science

Note: Students choosing to minor in Computer Science must ensure that all prerequisites necessary for the courses listed below are met including mathematics requirements.

CSC335	Data Structures
CSC341	Computer Organization
CSC360	Computer Operating Systems
CSC430	Computer Programming III
CSC375	Networks and Data Communications
CSC405	Programming Languages

*Bachelor of Science in*

**MANAGEMENT INFORMATION SYSTEMS**

The Bachelor of Science degree program in Management Information Systems (MIS) provides students with the skills and knowledge required for employment in computer and business industries.

The mission of the MIS program is to produce graduates who demonstrate both the managerial and technical expertise necessary to manage and control the information system resources of an organization.

MIS graduates have the flexibility of finding careers in any industry as programmers, systems analysts, business managers, technical support personnel, web designers, database administrators, network and security specialists, as well as other managerial positions.

**Program Goals**

The goals of the BS in Management Information Systems program are to produce graduates who will have the following:

1. Sufficient quantitative, analytical, and problem solving skills in conjunction with a foundation in business, management, system analysis and design, and programming skills to solve and to manage information technology as a tactical resource in a business organization
2. The skills to work cooperatively in a team, and to disseminate the results and findings to provide recommendations in an effectively written and oral presentation using computer applications
3. The professional and ethical values and broad knowledge needed to be a responsible, well-rounded citizen of contemporary society.

**Student Learning Outcomes**

Each management information system graduate will demonstrate the following:

- a. An ability to apply knowledge of computing and mathematics appropriate to the discipline
- b. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
- c. An ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs
- d. An ability to function effectively on teams to accomplish a common goal
- e. An understanding of professional, ethical, legal, security, and social issues and responsibilities
- f. An ability to communicate effectively with a range of audiences



- g. An ability to analyze the local and global impact of computing on individuals, organizations, and society
- h. A recognition of the need for, and an ability to engage in, continuing professional development
- i. An ability to use current techniques, skills, and tools necessary for computing practices
- j. An understanding of processes that support the delivery and management of information systems within a business organization.

## **Management Information Systems Course Requirements**

### **I. GENERAL EDUCATION CORE COURSES (38 CREDIT HOURS)**

CSC101 Introduction to Computers  
 FMU101 University 101  
 REA101/ENG111 Critical Thinking & Reading or First Year Literature  
 ENG101 College Writing I  
 ENG102 College Writing II  
 COM103 Introduction to Public Speaking  
 REL101 Introduction to Religion  
 PED110 Dimensions of Wellness (2)  
 \_\_\_\_\_ Social Sciences Requirement  
 \_\_\_\_\_ African American History  
 \_\_\_\_\_ Humanities Requirement  
 \_\_\_\_\_ Modern Foreign Languages I  
 \_\_\_\_\_ Modern Foreign Languages II

### **SCIENCE COURSES INCLUDE ONE SEMESTER LABORATORY SCIENCE (7 CREDIT HOURS)**

\_\_\_\_\_ Natural Sciences Requirement I  
 \_\_\_\_\_ Natural Sciences Requirement II  
 \_\_\_\_\_ Natural Sciences Requirement Lab

### **II. Mathematics/Statistics Courses (12 credit hours)**

MAT111 College Algebra  
 MAT200 Applied Calculus  
 MAT205 Probability and Statistics  
 MAT210 Discrete Mathematics

### **III. MIS Environment Courses (21 credit hours)**

ACC211 Principles of Accounting I  
 ACC212 Principles of Accounting II  
 BUS 211 Principles of Management  
 BUS311 Business Law  
 ECO\_\_\_\_ Economics Elective (Macro or Micro)

FIN301 Business Finance  
MAR301 Principles of Marketing  
\_\_\_\_\_ Business or Computer Elective

#### IV. Computer Courses (42 credit hours)

List of Computer Classes required for a Major in Management Information Systems: (42 semester hours of which at least 18 must be advanced.)

##### CORE MANAGEMENT INFORMATION SYSTEM (24 CREDIT HOURS)

CSC230 Computer Programming I  
CSC250 Visual Basic Programming  
CSC333 Systems Analysis and Design  
CSC341 Computer Organization  
CSC360 Computer Operating Systems  
CSC375 Network and Data Communication  
CSC483 Database Concepts and Design  
CSC494 Software Project Development

##### ADVANCED MANAGEMENT INFORMATION SYSTEMS ELECTIVES (18 CREDIT HOURS)

CSC345 Web Technology  
CSC350 Special Problems I  
CSC351 Special Problems II  
CSC385 Artificial Intelligence  
CSC405 Programming Languages  
CSC430 Computer Programming III  
CSC445 Management Information Systems  
CSC460\* Senior Project (Capstone Course)  
CSC475 Computer Algorithm  
CSC487 Database (SQL) Programming  
CSC490\* Computer Ethics  
CSC493 Computer Security  
CSC498 Cooperative Education in Computer Science I  
CSC499 Cooperative Education in Computer Science II

\* must include these courses

#### GRADUATION REQUIREMENTS

This degree program requires a minimum of 122 semester hours for completion.

##### Freshman

###### First Semester

CSC 101	Intro to Computers	3
MAT 111	College Algebra	3
ENG 101	College Writing I	3
FMU 101	University 101	3

###### Second Semester

CSC 230	Comp Programming I	3
_____	Natural Science Req. I	3
_____	Micro Computer App.	3
ENG 102	College Writing II	3

REA 101	Critical Think & Read	3	REL 101	Intro to Religion	3
or ENG 111	First Year Literature				
		15			15

**Sophomore**

**First Semester**

CSC 330	Comp Programming II	3
MAT 200	Applied Calculus	3
— —	Nat. Science Req. II	3
— —	Nat. Science Req. II Lab	1
CSC 250	Visual Basic Prog.	3
PED 110	Dim. Of Wellness	2
		14

**Second Semester**

CSC 333	Sys Analysis & Design	3
MAT210	Discrete Math.	3
COM103	Intro to Public Speaking	3
ECO —	Macro/Micro Economics	3
HIS —	African American Hist	3
— —	Social Science Req.	3
		18

**Junior**

**First Semester**

CSC 341	Computer Organ.	3
CSC 360	Operating Systems	3
ACC 211	Prin. Of Accounting I	3
BUS 211	Principles of Mgmt	3
— —	Foreign Lang. Req. I	3
		15

**Second Semester**

CSC 375	Network & Data Comm.	3
ACC 212	Prin. Of Accounting II	3
FIN 301	Business Finance	3
— —	Humanity Elective	3
— —	Foreign Lang. Req. II	3
		15

**Senior**

**First Semester**

CSC445	Management Info. Sys.	3
CSC494	Systems Development	3
— —	Business Law	3
CSC483	Database Concepts & Desi.	3
MAT205	Probability & Statistics	3
		15

**Second Semester**

CSC460	Senior Project	3
CSC490	Computer Ethics	3
CSC445	Management Info. Sys.	3
CSC487	Database Programming	3
MAR301	Marketing	3
		15

**MINOR IN MANAGEMENT INFORMATION SYSTEMS**

*Note: Students choosing to minor in Management Information Systems must ensure that all prerequisites necessary for the courses listed below are met including mathematics requirements.*

- CSC250 Visual Basic Programming
- CSC333 Systems Analysis & Design
- CSC360 Computer Operating Systems
- CSC341 Computer Organization
- CSC375 Networks and Data Communications
- CSC483 Database Concepts and Design
- CSC 445 Management Information Systems

## ***Bachelor of Science in*** **MATHEMATICS**

The Department of Computer Science, Mathematics, and Technology offers an undergraduate program leading to the Bachelor of Science degree in Mathematics. The mission of the mathematics program is to produce professionally knowledgeable and well-rounded graduates who have a foundation of logical thinking, problem-solving, and decision-making with solid analytical skills applicable to any field of study.

The curriculum of the program covers geometry, college algebra, modern algebra, trigonometry, calculus statistics, numerical analysis, ordinary differential equations, and discrete mathematics. It also includes computer science, social science and humanities courses in order to produce knowledgeable and well-rounded graduates.

This program is designed to prepare students for advanced study or careers as mathematicians, actuaries, mathematical economists, operations researchers, or teachers of mathematics. A minimum of 45 credit hours in mathematics above the 100-level is required.

### **PROGRAM GOALS**

The goals of the BS in the Mathematics program are to produce graduates who will have the following:

1. A mature understanding of fundamental mathematical concepts and techniques
2. The ability to use mathematical models to formulate, analyze and solve real life problems
3. The ability to communicate mathematical ideas clearly and logically to both specialized and general audiences.

### **STUDENT LEARNING OUTCOMES**

Each mathematics graduate will demonstrate the following:

1. The ability to define fundamental mathematics concepts
2. The ability to develop mathematical models from real world applications and apply problem-solving skills
3. The ability to perform mathematical research
4. The ability to prepare technical reports and presentations
5. The ability to use technology to communicate mathematical concepts both orally and verbally.

## GRADUATION REQUIREMENTS

This degree program requires a minimum of 121 semester hours for completion.

### Freshman

<u>First Semester</u>			<u>Second Semester</u>		
ENG 101	College Writing I	3	MAT 112	Pre-Calculus	3
CSC 101	Intro to Computers	3	MAT 113	College Trigonometry	3
REA 101	Crit Think/Read or	3	REL 101	Intro to Religion	3
ENG 111	First Year Lit.		ENG 102	College Writing II	3
PED 110	Dimen of Wellness	2	— —	Social Science Req.	<u>3</u>
FMU 101	University 101	<u>3</u>			
		<b>14</b>			<b>15</b>

### Sophomore

<u>First Semester</u>			<u>Second Semester</u>		
MAT 201	Calculus	3	MAT 202	Calculus II	3
MAT 205	Statistics	3	MAT 210	Discrete Math I	3
CSC 230	Computer Prog. I	3	CSC 330	Computer Prog. II	3
— —	Humanities Req	3	— —	Social Science Req.	3
COM 103	Intro to Pub Spk	<u>3</u>	— —	Afri American Hist.	<u>3</u>
		<b>15</b>			<b>15</b>

### Junior

<u>First Semester</u>			<u>Second Semester</u>		
MAT 301	Calculus III	3	MAT 302	Multi-Vari Calculus	3
MAT 350	Linear Algebra I	3	MAT 351	Linear Algebra II	3
— —	Nat Science Req	3	— —	Nat Science Req	3
— —	Nat Science Req Lab	1	— —	Nat Scie Req Lab	1
— —	Foreign Lang Req	3	— —	Foreign Lang Req	3
— —	Approved Math Elec.	<u>3</u>	CSC 405	Prog Language	<u>3</u>
		<b>16</b>			<b>16</b>

### Senior

<u>First Semester</u>			<u>Second Semester</u>		
MAT 309	Intro to Mod Alge	3	MAT 406	Complex Vari	3
MAT 410	Differential Equa	3	— —	Approved Math Elec.	3
MAT 450	Senior Project in Math	3	— —	Approved Math Elec.	3
MAT 402	Advanced Calculus	3	— —	Approved Math Elec.	3
— —	Approved Math Elec.	<u>3</u>	— —	Approved Math Elec.	<u>3</u>
		<b>15</b>			<b>15</b>

## APPROVED MATH ELECTIVES

MAT	200 Applied Calculus
MAT	211 Discrete Mathematics II
MAT	303 History of Mathematics
MAT	305 University Geometry
MAT	307 Number Theory
MAT	403 Real Analysis
MAT	404 Topology
MAT	405 Vector Calculus
MAT	411 Numerical Analysis I
MAT	412 Numerical Analysis II

MAT 414 Probability Theory  
MAT 420 Directed Reading I  
MAT 421 Directed Reading II

In addition, mathematics majors must complete the departmental requirement of one year of natural science courses (with labs).

### **MINOR IN MATHEMATICS**

A minor in mathematics consists of a minimum of 18 credit hours in mathematics beyond the 100-level. A grade of C or better must be earned in each course. Courses that for the minor must be selected from the list of core and elective mathematics courses in consultation with the mathematics advisor.

## **DEPARTMENT OF HEALTH AND NATURAL SCIENCES**

The Department of Health and Natural Sciences offers majors in Biology, Chemistry, Environmental Studies, and Physics, concentrations in Radiobiology and Radiochemistry, and participates in a dual-degree program in Engineering with Florida International University and dual degree programs in Nursing with the University of Miami and Florida International University.

### **MISSION OF THE DEPARTMENT**

The Department's undergraduate program is broadly inclusive to meet the academic needs of national and international students. The department offers programs that lead to baccalaureate degrees in biology, chemistry, environmental studies, physics, medical technology and; offers pre-professional programs in engineering, through support courses in physics; and, through collaborations with other institutions, offers dual degree programs leading to a Bachelor of Science in engineering, and two Bachelor of Science degrees, one in Biology and the other in Nursing (awarded from the partnering institute).

The Department of Health and Natural Sciences provides a challenging and supportive environment that prepares its students for responsible participation and leadership in an ever-changing technologically advanced global society.

The Department's primary responsibility is to meet the needs of students in the fields of natural and life sciences. This responsibility is accomplished through teaching, community service, and scholarly activities.

### **GOALS OF THE DEPARTMENT**

The Department of Health and Natural Sciences offers baccalaureate degrees in the Health and Natural Sciences, which serve a multi-cultural student body. The Department prepares students for graduate and professional schools and for careers in scientific and health related fields. The

Department provides technical, content courses in the natural sciences for science education students, as well as courses for the general education core curriculum. The Department's curriculum and educational support systems ensure that every graduate has skills in the following areas:

- Electronic communication
- Disciplinary applications of technology
- Critical thinking and analysis
- Intellectual, cultural, and spiritual development.

The Department promotes and stimulates faculty development, and faculty, staff, and student collegiality, and maintains high standards of scholarship, character, and integrity.

The Department discharges its responsibilities with integrity, civility, and sensitivity, while promoting dignity and respect for others.

### **Degree Requirements**

To be certified for graduation in the Department of Health and Natural Sciences students must meet the following requirements:

1. Complete a minimum of 121 credit hours, including all general education requirements, with a minimum cumulative G.P.A. of 2.5,
2. Earn a grade of "C" or better in all major courses
3. Take the departmental exit examination. Earn a grade of "C" (2.0 grade quality points) or better in all science and mathematics courses required for graduation.
4. Earn grades of "C" (2.0) or better in all science, mathematics and physics courses taken, regardless of (science) major.

*Credits in MAT 110, 114 BIO 101, or PSC 101, or any lower level remediation course cannot be applied toward graduation credit in any major offered by the School.*

### ***Bachelor of Science in*** **BIOLOGY**

The mission of the Bachelor of Science degree program in Biology is to produce students with sound and rigorous training in the biological sciences so that they will be successful graduates in professional/graduate school or the workforce. The program emphasizes hands-on learning for students and active research with opportunities for students to work under the expert guidance of its faculty.

### **Program Goals**

Graduates of the BS Program in Biology will

- be knowledgeable enough in their field to seek employment or admission to graduate/professional school
- have research and communications skills to function in a professional setting.

### **Student Learning Outcomes**

Graduates of the BA program in Biology should be able to

- Apply basic biological processes and principles, and integrate different areas of biology
- Develop an emphasis in one or more areas
- Apply qualitative and quantitative methods to evaluate and interpret evidence
- Communicate biological concepts effectively in oral, visual, and written presentations.

### **GRADUATION REQUIREMENTS**

This degree program requires at least 121 semester hours for completion.

#### **Freshman**

##### **First Semester**

ENG 101	College Writing I	3
BIO 130	Prin of Biology I	3
BIO 131	Prin of Bio I Lab	1
MAT 111	College Algebra	3
REA 101	Crit Think/ Read or	3
ENG 111	First Year Literature	
FMU 101	University 101	<u>3</u>
		<b>16</b>

##### **Second Semester**

ENG 102	College Writing II	3
BIO 132	Prin of Biology II	3
BIO 133	Prin of Bio II Lab	1
MAT 112	Pre-Calculus	3
REL 101	Intro to Religion	3
HIS 103	Afri Amer Hist	<u>3</u>
		<b>16</b>

#### **Sophomore**

##### **First Semester**

COM 103	Intro Pub Speak	3
MAT 113	College Trig	3
BIO 204	General Zoology	3
BIO 205	General Zoo Lab	1
CHE 110	General Chem I	4
CHE 111	Gen Chem I Lab	1
PED 110	Dim of Wellness	<u>2</u>
		<b>15</b>

##### **Second Semester**

CSC __	Comp Sci Elect	3
MAT 205	Prob & Stat	3
BIO 206	General Botany	3
BIO 207	Gen Botany Lab	1
CHE 112	Gen Chem II	4
CHE 113	Gen Chem II Lab	<u>1</u>
		<b>17</b>

#### **Junior**

##### **First Semester**

BIO300	Human Phys	3
BIO 301	Human Phys Lab	1
CHE 210	Organic Chem I	3
CHE 211	Org Chem I Lab	1
__ 201	Foreign Lang Req I	3
BIO 310	Genetics	3
BIO 311	Genetics Lab	<u>1</u>
		<b>15</b>

##### **Second Semester**

BIO 320	Ecology	3
BIO 321	Ecology Lab	1
CHE 212	Organ Chem II	3
CHE 213	Org Chem II Lab	1
__ 202	Foreign Lang Req II	3
__ __	Humanities Req	<u>3</u>
		<b>14</b>



## Senior

### First Semester

BIO 410	Microbiology	3
BIO 411	Microbiology Lab	1
PHY 200	College Physics I	3
PHY 201	College Phy I Lab	1
— —	History/Govt Req	3
NSC 453	Senior Project	<u>3</u>
		<b>14</b>

### Second Semester

— —	Approved Elect	3
BIO 420	Cell Biology	3
BIO 421	Cell Biology Lab	1
PHY 202	Coll Physics II	3
PHY 203	Coll Phys II Lab	1
— —	Soc Science Req	<u>3</u>
		<b>14</b>

## Approved Electives

BIO 211	Radiation Biology	3
BIO 212	Human Anatomy	3
BIO 213	Human Anatomy Lab	1
BIO 304	Embryology	3
BIO 305	Embryology Lab	1
BIO 330	Parasitology	3
BIO 331	Parasitology Lab	1
BIO 400	Evolution	3
BIO 430	Immunology	3
BIO 431	Immunology Lab	1
CHE 214	Quantitative Analysis	3
CHE 215	Quantitative Analysis Lab	1
CHE 430	Biochemistry	3
CHE 431	Biochemistry Lab	1
ENV 301	Wetland Ecology	3
ENV 302	Wetland Ecology Lab	1
ENV 304	Population Studies	3
ENV 331	Urban Ecology	3
ENV 332	Urban Ecology Lab	1
ENV 401	Ecology of SE Florida	3
ENV 402	Ecology of SE Florida Lab	1
MAT 200	Applied Calculus	3
MAT 201	Calculus I	3
MAT 202	Calculus II	3
PHY 320	Thermodynamics	3

Students must complete all of the general education requirements and the required credits in chemistry, mathematics, and physics. Students intending to go to graduate or medical school should consult with their advisors for further information about necessary courses. Students intending to teach biology in the secondary schools must also meet certification requirements and must consult with the School of Education.

## ***Biology/Pre-Nursing Dual Degree Program***

*(Jointly offered with Florida International University and University of Miami)*

Currently Florida Memorial University does not have a standalone Nursing Program. Students **cannot declare** themselves Biology/Pre-nursing majors without being officially accepted into the program. In order to be officially accepted into the program students must fill out an

application first. Students will then receive an official letter saying whether they have been accepted into the program.

Students **must apply for admission** to be in the Biology/Pre-Nursing program. Once students have applied and have been accepted into the program they must meet with the Biology Pre-Nursing Coordinator each semester. International students can apply to the program; however, any financial benefits available at the participating nursing school are not available to students. International students will be expected to pay their way in the program. This program is competitive—only the top 5 students transferring each semester to the participating nursing school will receive any of the benefits associated with the program. All other students will have to compete with other incoming students into the nursing school (FIU or UM).

Students who do not complete the two years at the Florida International University will be given the opportunity to complete a degree in Biology at Florida Memorial University.

To be immediately eligible for this program, all students must meet the following requirements in order to apply:

1. High school or college transfer GPA of 3.0 or higher.
2. SAT score of 1000 or higher or ACT score of 21 or higher. If the student has not taken either exam, he/she must take the College Placement Test (CPT). The student will not be eligible to apply to the Biology/Pre-nursing program until he/she has completed all remedial classes with a satisfactory grade (A – B).
3. No remedial/developmental courses. This requirement maybe waived if grades are a B or higher. If the student is a freshman, he/she **cannot apply** to the Biology/Pre-nursing program until after he/she has taken all remedial courses and passed them (**B or higher**).
4. If transferring, the student **cannot apply** if there are multiple repeats of (science and mathematics) classes. If there is only one repeat, it may be waived if it does not count toward the prerequisite classes for the pre-nursing program. Any transfer student accepted into the Biology/Pre-nursing program must maintain the GPA requirement each semester to stay in the program. The GPA requirement is dependent on the nursing school of choice (FIU is 3.0 or higher and UM is 3.3 or higher).

#### **FLORIDA INTERNATIONAL UNIVERSITY JOINT PROGRAM**

*(Bachelor's degree in Biology from FMU and a Bachelor's degree from Florida International University in Nursing)*

The Department of Health and Natural Sciences, in partnership with Florida International University's College of Nursing and Health Sciences offers a bachelor's degree program in nursing or a joint bachelor's degree program in biology and nursing.

To remain in the dual-degree program, students must earn a "C" or better in all college level courses including the major courses (biology, mathematics, chemistry, and physics) (see course

requirements for the Biology-Pre-Nursing degree). Students in this dual-degree program cannot repeat/retake pre-requisite classes. Given that this dual-degree program is an Honors Biology program, students must maintain a 3.0 GPA every semester.

Students completing the dual degree program of study at both institutions, as outlined below, will receive a Bachelor of Science in Biology from Florida Memorial University and a Bachelor of Science in Nursing from Florida International University. To be eligible to transfer to Florida International University students that are participating in this program must meet the following criteria.

The requirements, generated by FIU's Nursing Program, with Florida Memorial's acceptance, are:

1. A GPA of 3.00 on all prior college work, including pre-requisite courses.
2. No repeats related to academic failure of pre-requisite science and science lab courses (anatomy & lab, physiology & lab, microbiology & lab, chemistry & lab). Students must have a minimum of C (a C- is not accepted) on all pre-requisite science courses.
3. A score of 80% or higher on the HESI Exam.
4. Take and pass Florida International University's Introduction to Nursing class (NUR 3017) before transfer.
5. Complete the application and essay of professional goals for the Nursing Program.
6. Complete the application for admission to Florida International University.

Students will be required to complete a criminal background check, complete all health requirements, complete CPR certification, and have personal health insurance.

Effective with the class of January, 2006, students are ranked using a point system that gives differentiated points for GPA, Science/Mathematics GPA, HESI Exam, and other student characteristics, such as having a prior baccalaureate degree, having entered FIU as a freshman or sophomore.

There are three options under the FIU agreement. These are the 2+2 (Bachelor of Science in Nursing), 3+2 (Bachelor of Science Degrees in Biology and Nursing), and the 2+2+1 (Bachelor of Science Degrees in Biology and Nursing).

#### **FLORIDA MEMORIAL UNIVERSITY (NURSING PREPARATION) AND FLORIDA INTERNATIONAL UNIVERSITY SCHOOL OF NURSING BACHELOR OF SCIENCE IN NURSING (TWO+TWO)**

##### **Freshman**

##### **First Semester**

FMU 101 University 101  
ENG 101 College Writing I  
MAT 113 College Trigonometry

3  
3  
3

##### **Second Semester**

ENG 102 College Writing II  
SSC 302 Statistics  
CHE 110 General Chemistry I

3  
3  
4

HIS 200	History of the USA**	3	CHE 111	General. Chemistry I Lab	1
BIO 212	Human Anatomy	3	PSY 200	Intro to Psychology	3
BIO 213	Human Anatomy Lab	1	REL 201	Intro to Philosophy**	3
		<b>16</b>			<b>17</b>

### Sophomore

#### First Semester

CHE 112	General Chemistry II	4
CHE 113	General Chemistry II Lab	1
SOC 402	Racial & Cultural Groups	3
PSY 306	Growth & Development (only in fall)	3
BIO 300	Human Physiology	3
BIO 301	Human Physiology Lab	1
_____	Foreign Language Req. I*	3
		<b>17</b>

#### Second Semester

NUT 200	Nutrition	3
	(only in Spring, can take HED221 Nutritional Health)	
REL 202	Philosophy of Religion	3
_____	Humanities Req.	3
BIO 410	Microbiology	3
BIO 411	Microbiology Lab	1
_____	Foreign Language Req II*	3
		<b>16</b>

\*Foreign Language: Any two (2) semesters of Foreign Language of your choice (e.g. Spanish, French, etc.) or High School Transcript proving two years of the same foreign language were completed or completion of a foreign language CLEP exam. See FIU catalog at [www.fiu.edu](http://www.fiu.edu) for additional information. Florida Memorial University does require a Foreign Language class. You must see coordinator/advisor to discuss options available.

\*\* Writing-intensive course

### DUAL DEGREE PROGRAM

#### BACHELOR OF SCIENCE DEGREES IN BIOLOGY AND NURSING

3+2

#### First Year

##### First Semester

FMU 101	University 101	3
ENG 101	College Writing I	3
MAT 113	College Trigonometry	3
HIS 103	African American History	3
BIO 130	Principles of Biology	3
BIO 131	Principles of Biology Lab	1
		<b>16</b>

##### Second Semester

ENG 102	College Writing II	3
SSC 302	Statistics	3
REL 201	Intro to Philosophy**	3
HIS 200	History of the USA**	3
PSY 200	Intro to Psychology	3
		<b>15</b>

#### Second Year

##### First Semester

CHE 110	General Chemistry I	4
CHE 111	General Chemistry I Lab	1
SOC 402	Racial and Cultural Groups	3
BIO 212	Human Anat	3
BIO 213	Human Anat Lab	1
PSY 306	Growth & Development (Fall only)	3
____201	Foreign Language Req*I	3

##### Second Semester

CHE 112	General Chemistry II	4
CHE 113	General Chemistry II Lab	1
_____	Humanities Requirement	3
BIO 300	Human Physiology	3
BIO 301	Human Physiology Lab	1
NUT 200	Nutrition	3
____202	Foreign Language Req*II	3

	18		18
<b>Third Year</b>			
<b><u>First Semester</u></b>		<b><u>Second Semester</u></b>	
BIO 310 Genetics	3	PHY 202 College Physics II	3
BIO 311 Genetics Lab	1	PHY 203 College Physics II Lab	1
CHE 210 Organic Chemistry I	3	CHE 212 Organic Chemistry II	3
CHE 211 Organic Chemistry I Lab	1	CHE 213 Organic Chemistry II Lab	1
PHY 200 College Physics I	3	BIO 410 Microbiology	3
PHY 201 College Physics I Lab	1	BIO 411 Microbiology Lab	1
REL 202 Philosophy of Religion	3	BIO 420 Cell Biology	3
		BIO 421 Cell Biology Lab	1
	15		16

**TOTAL CREDITS = 95 (FMU) + 76 (FIU) = 171**

\*Foreign Language: Any two (2) semesters of Foreign Language (e.g. Spanish, French, etc.) or High School Transcript proving two years of the same foreign language were completed.

\*\* Writing-intensive course

## **BACHELOR OF SCIENCE DEGREES IN BIOLOGY AND NURSING 2+2+1**

### **First Year**

<b><u>First Semester</u></b>		<b><u>Second Semester</u></b>	
FMU 101 University 101	3	ENG 102 College Writing II	3
ENG 101 College Writing I	3	SSC 302 Statistics	3
MAT 113 College Trigonometry	3	CHE 110 General Chemistry I	4
HIS 200 History of the USA** (Writing)	3	CHE 111 General Chemistry I Lab	1
BIO 130 Principles of Biology	3	PSY 200 Intro to Psychology	3
BIO 131 Principles of Biology Lab	1	BIO 212 Human Anat	3
		BIO 213 Human Anat Lab	1
	16		18

### **Second Year**

<b><u>First Semester</u></b>		<b><u>Second Semester</u></b>	
CHE 112 General Chemistry II	4	REL 201 Intro to Philosophy**	3
CHE 113 General Chemistry II Lab	1	_____ Humanities Req.	3
SOC 402 Racial & Cultural Groups	3	BIO 410 Microbiology	3
BIO 300 Human Physiology	3	BIO 411 Microbiology Lab	1
BIO 301 Human Physiology Lab	1	_____ Foreign Language Req*	3
_____ Foreign Language Req*	3	NUT 200 Nutrition	3
PSY 306 Develop Psychology	3		
	18		16

\*Foreign Language Any two (2) semesters of Foreign Language of your choice (e.g. Spanish, French, American Sign Language) or High School Transcript proving two years of the same foreign language were completed. See FIU catalog at [www.fiu.edu](http://www.fiu.edu) for additional information.

\*\* Writing-intensive course

### TOTAL CREDITS (FIRST THREE YEARS) – 68

#### LAST YEAR AT FMU

Fifth Year

<u>First Semester</u>			<u>Second Semester</u>		
BIO 310	Genetics	3	PHY 202	College Physics II	3
BIO 311	Genetics Lab	1	PHY 203	College Physics II Lab	1
CHE 210	Organic Chemistry I	3	CHE 212	Organic Chemistry II	3
CHE 211	Organic Chem I Lab	1	CHE 213	Organic Chemistry II Lab	1
PHY 200	College Physics I	3	BIO 420	Cell Biology	3
PHY 201	College Phys I Lab	1	BIO 421	Cell Biology Lab	1
HIS 103	African American Hist	3			
		15			12

TOTAL CREDITS = 95 (FMU) + 76 (FIU) = 171

### University of Miami Joint Program

*Bachelor's degree in Biology from FMU and a Bachelor's degree from University of Miami in Nursing*

Students must apply for admission to be in the Biology/Pre-Nursing program. Once students have applied and have been accepted into the program they must meet with the Biology Pre-Nursing Coordinator each semester. International students can apply to the program; however, any financial benefits available at the participating nursing school are not available to students. International students will be expected to pay their way in the program.

The Department of Health and Natural Sciences, in partnership with the University of Miami's School of Nursing, offers a joint bachelor's degree program in biology and nursing. Students completing the program of study at both institutions, as outlined below, will receive a Bachelor of Science in Biology from Florida Memorial University and a Bachelor of Science in Nursing from the University of Miami. To be eligible to transfer to the University of Miami's School of Nursing, students must earn a cumulative grade point average of at least 3.3 in courses taken at Florida Memorial University.

Students who do not complete the two years at the University of Miami will be given the opportunity to complete a degree in Biology at Florida Memorial University.

To remain in the dual-degree program, students must earn a "C" or better in all college level courses including major courses (biology, mathematics, chemistry, and physics) (see course requirements for the Biology-Nursing degree). Given that this dual-degree program is an Honors Biology program, students must maintain a 3.3 GPA every semester. Students who enter the Nursing program at the University of Miami who have not met these stated requirements will not receive a biology degree from Florida Memorial University and are ineligible for the tuition reduction at the University of Miami.

**First Year**

**First Semester**

ENG 101	College Writing I	3
BIO 130	Prin of Biology	3
BIO 131	Prin of Bio Lab	1
MAT 111	College Algebra	3
REL 101	Intro to Religion	3
FMU 101	University 101	<u>3</u>
		16

**Second Semester**

ENG 102	College Writing II	3
MAT 113	College Trig	3
SOC 200	Intro Sociology	3
HIS 103	Afri. Amer. Hist	3
PSY 200	Intro to Psychology	<u>3</u>
		15

**Second Year**

**First Semester**

CHE 110	General Chem I	4
CHE 111	Gen Chem I Lab	1
COM 103	Intro Pub Spk	3
____ 201	Foreign Lang Req I	3
BIO 212	Hum Anatomy	3
BIO 213	Hum Anatomy Lab	1
PSY 306	Develop Psychology	<u>3</u>
		18

**Second Semester**

ENG 2__	English Elective	3
CHE 112	Gen Chem II	4
CHE 113	Gen Chem II Lab	1
____ 202	Foreign Lang Req II	3
BIO 300	Human Physio	3
BIO 301	Human Physio Lab	1
NUT 200	Nutrition	<u>3</u>
	(or HED 221 Nutritional Health)	
		18

**Third Year**

**First Semester**

BIO 310	Genetics	3
BIO 311	Genetics Lab	1
CHE 210	Organic Chem I	3
CHE 211	Org Chem Lab	1
PHY 200	College Physics I	3
PHY 201	Coll Phy I Lab	1
SSC 302	Intro to Statistics	<u>3</u>
		15

**Second Semester**

PHY 202	College Phy II	3
PHY 203	Coll Phy II Lab	1
CHE 212	Org Chem II	3
CHE 213	Org Chem II Lab	1
BIO 410	Microbiology	3
BIO 411	Microbiology Lab	1
BIO 420	Cell Biology	3
BIO 421	Cell Biology Lab	<u>1</u>
		16

**Total Credits = 95 (FMU) + 76 (UM) = 171**

## **Bachelor of Science in**

## **BIOLOGY** (Concentration in Radiobiology)

The School of Health and Natural Sciences, through support from and collaboration with the National Nuclear Security Administration, offers a program leading to the Bachelor of Science in Biology with specialization in Radiobiology. This program is designed for students planning graduate study in radiobiology and related fields of science or careers in government facilities for radiochemistry/nuclear chemistry/nuclear medicine.

### **GRADUATION REQUIREMENTS**

This degree program requires a minimum of 124 semester hours and two summer internships at a government laboratory under the auspices of the Department of Energy (DOE) for completion. Students, through the aid of their advisor(s), will seek and obtain the internships during the summer after completion of their sophomore year. To participate in the internships, the student must maintain a minimum cumulative GPA of 3.00, with no C-, D, or F in departmental courses.

### **MISSION**

### **PROGRAM GOALS**

Graduates of the BS Program in Biology with a concentration in Radiobiology will

1. be knowledgeable enough in their field to seek employment or admission to graduate/professional school
2. have research and communications skills to function in a professional setting.

### **Student Learning Objectives**

Graduates of the BA program in Biology should be able to

- Apply basic biological processes and principles, and integrate different areas of biology
- Develop an emphasis in one or more areas
- Apply qualitative and quantitative methods to evaluate and interpret evidence
- Communicate biological concepts effectively in oral, visual, and written presentations.

#### **Freshman Year**

##### **First Semester**

FMU 101 University 101	3
ENG 101 College Writing I	3
BIO 130 Princ. of Bio	3
BIO 131 Princ. Of Bio Lab	1
MAT 112 Pre-Calculus	3
CHE 101 Con of Radiochem	1
PED 110 Dim. of Wellness	2
	<b>16</b>

##### **Second Semester**

ENG 102 College Writing II	3
BIO 132 Princ. of Bio II	3
BIO 133 Princ. Of Bio II Lab	1
MAT 201 Calculus I	3
ENG 101 College Writing II	3
BIO 200 Human Anatomy	3
BIO 201 Human Anatomy Lab	1
	<b>14</b>



### Sophomore Year

#### First Semester

BIO 211 Radiation Bio.	3
CHE 110 Gen. Chem I	4
CHE 111 Gen. Chem. I Lab	1
MAT 205 Prob. & Stats.	3
COM 103 Intro. to Public	3
REL 101 Intro. to Religion	3

17

#### Second Semester

REA 101 Critical Think. & Read.	3
or	
ENG 111 First Year Lit.	
CHE 112 Gen Chem. II	4
CHE 113 Gen Chem. II Lab	1
CSC 101 Intro. to Computer Sci.	3
BIO 300 Human Physiology	3
BIO 301 Human Physiology Lab	1

15

Summer after Sophomore Year First Internship at a DOE-sponsored laboratory

### Junior Year

#### First Semester

CHE 210 Org. Chem. I	3
CHE 211 Org. Chem. I Lab.	1
PHY 200 Coll. Physics I	3
PHY 201 Coll. Phy. I La.	1
____ Foreign Lang. I	3
CHE 230 Intro to Radiochem	3

14

#### Second Semester

CHE 212 Org. Chem. II	3
CHE 213 Org. Chem. II Lab.	1
PHY 202 Coll. Physics II	3
PHY 203 Coll. Phy. II Lab.	1
____ Foreign Lang. II	3
BIO 306 Radiopharmacology	3
CHE 232 Intro to Radiochem II	2

16

\*Summer after Junior Year Second Internship at a DOE-sponsored laboratory

### Senior Year

#### First Semester

BIO 326 Res. Tech.	
in Rad Bio & Radiopharm	1
CHE 350 Prin. Rad. Health	3
HIS 103 African Amer His	3
BIO 420 Cell Biology	3
BIO 421 Cell Biology Lab	1
____ Soc. Science Req.	3

15

#### Second Semester

CHE 370 Advan. Radiochem.	3
CHE 371 Ad. Radioche. Lab.	1
CHE 351 Prin. Rad. He. Lab.	1
CHE 480 Nuclear Chemistry	3
____ Hist./Gov't. Req.	3
____ Humanities Req.	3
NSC 453 Senior Project	3

16

## BACHELOR OF ARTS AND BACHELOR OF SCIENCE IN CHEMISTRY

The School of Health and Natural Sciences offers programs leading to the Bachelor of Science in Chemistry and the Bachelor of Arts in Chemistry. The Bachelor of Science program is designed for students planning graduate study in chemistry and related fields of science or careers as professional chemists. The Bachelor of Arts degree program provides the flexibility that satisfies the objectives of students in Pre-Medicine, Pre-Pharmacy, Pre-Optometry, Pre-Dentistry, other allied health fields, and high school education. A grade of 'C' or better must be earned in each Chemistry course with an overall cumulative grade point average of 2.0 or above. Grades in chemistry courses of C- or less cannot be counted toward either chemistry major. Students are strongly advised to retake any course with a D, particularly courses in biology, physics, or mathematics.

## Bachelor of Arts in CHEMISTRY

### Graduation Requirements

This degree program requires at least **120** semester hours for completion.

#### Freshman Year

##### First Semester

ENG 101	College Writing I	3
CHE 110	Gen Chem I	4
CHE 111	Gen Chem I Lab	1
MAT 201	Calculus I	3
REA 101	Critical Think/Read or	3
ENG 111	First Year Literature	
FMU 101	University 101	<u>3</u>
		17

##### Second Semester

ENG 102	College Writing II	3
CHE 112	General Chem II	4
CHE 113	Gen Chem II Lab	1
MAT 202	Calculus II	3
BIO 130	Prin of Biology I	3
BIO 131	Prin of Bio I Lab	<u>1</u>
		15

#### Sophomore Year

##### First Semester

COM 103	Intro to Pub Speak	3
CHE 210	Organic Chem I	3
CHE 211	Organic Chem I Lab	1
CHE 214	Quant Analysis	3
CHE 215	Quant Analysis Lab	1
BIO 132	Prin of Biology II	3
BIO 133	Prin of Bio II Lab	<u>1</u>
		15

##### Second Semester

CSC ____	Comp Sci Req	3
CHE 212	Organic Chem II	3
CHE 213	Org Chem II Lab	1
CHE 224	Environ Chem	3
CHE 225	Env Chem Lab	1
REL 101	Intro to Religion	<u>3</u>
		14

#### Junior Year

##### First Semester

PED 110	Dimensions of Wellness	2
____ 201	Foreign Lang Req I	3
CHE 340	Survey Phy Chem	3
CHE 341	Surv Phy Chem Lab	1
PHY 200	College Physics I	3
PHY 201	College Physics I Lab	1
____ ____	Elective	<u>3</u>
		16

##### Second Semester

MAT 205	Prob & Stat	3
____ 202	Foreign Lang Req II	3
BIO 212	Human Anatomy	3
BIO 213	Human Anatomy Lab	1
PHY 202	College Physics II	3
PHY 203	College Phys II Lab	<u>1</u>
		14

##### First Semester

____ ____	Social Science Req	3
____ ____	Afr Amer His Req	3
CHE 430	Biochemistry	3
CHE 431	Biochem Lab	1
____ ____	Elective	3
____ ____	Elective	<u>3</u>
		16

#### Senior Year

##### Second Semester

CHE 380	Immunochem	3
CHE 381	Immuno Lab	1
____ ____	Hist/Govt Req	3
____ ____	Humanities Req	3
NSC 453	Senior Project	<u>3</u>
		13

**NOTE:** CHE 100 is a preparatory course for science majors who may not be ready for CHE 110. This course will not be used toward a major in any of the degree programs within the Natural Sciences

School (Biology, Chemistry, Physics, Engineering partnership with Florida International University, or the Nursing partnerships with Florida International University and the University of Miami).

## *Bachelor of Science in*

## **CHEMISTRY**

### **Mission Statement**

The mission of the Bachelor of Science degree program in Chemistry is to provide to the industry and the public qualified and highly trained graduates capable of entering local and state employment/institutions of higher learning, as well as teaching chemistry at the high school level. In addition, the program will provide instruction for other majors.

### **Goals**

Graduates of the BS Program in Chemistry will

- be knowledgeable enough in their field to seek employment or admission to graduate/professional school
- have research and communications skills to function in a professional setting.

### **Student Learning Outcomes**

Graduates of the BS program in Chemistry will be able to

- Demonstrate command of facts, theories, and concepts of chemistry,
- Function effectively in a laboratory setting by working safely with chemicals and working as a team member
- Perform independent research
- Use computers and instrumentation effectively
- Communicate effectively orally and in writing.

### **Graduation Requirements**

This degree program requires at least **122** semester hours for completion.

#### **Freshman Year**

##### **First Semester**

CHE 110	Gen Chem I	4
CHE 111	Gen Chem I Lab	1
ENG 101	College Writing I	3
MAT 201	Calculus I	3
REA 101	Crit Think/Read or	3
ENG 111	First Year Lit	
FMU 101	University 101	<u>3</u>
		<b>17</b>

##### **Second Semester**

BIO 130	Prin of Biology	3
BIO 131	Prin of Bio Lab	1
MAT 202	Calculus II	3
ENG 102	College Writing II	3
CHE 112	Gen Chem II	4
CHE 113	Gen Chem II Lab	<u>1</u>
		<b>15</b>

**Sophomore Year**

**First Semester**

COM 103	Intro to Pub Spk	3
CHE 210	Organ Chem I	3
CHE 211	Org Chem Lab I	1
CHE 214	Quant Analysis	3
CHE 215	Quant Analysis Lab	1
MAT 301	Calculus III	3
PED 110	Dim of Well	<u>2</u>
		<b>16</b>

**Second Semester**

CSC____	Comp Sci Elect	3
CHE 212	Org Chem II	3
CHE 213	Org Chem Lab II	1
CHE 224	Environ Chem	3
CHE 225	Env Chem Lab	1
REL 101	Intro to Religion	3
MAT 302	Multivari Calc	<u>3</u>
		<b>17</b>

**Junior Year**

**First Semester**

____	Social Science Req	3
____ 201	Foreign Lang Req I	3
CHE 360	Physical Chem I	3
CHE 361	Physical Chem Lab I	1
PHY 250	Physics w/Cal I	4
PHY 251	Physics w/Calc Lab I	<u>1</u>
		<b>15</b>

**Second Semester**

____ 202	Foreign Lang Req II	3
CHE 362	Physical Chem II	3
CHE 363	Physical Chem Lab II	1
PHY 252	Physics w/Cal II	4
PHY 253	Physics w/Cal Lab II	1
MAT 205	Prob & Stats	<u>3</u>
		<b>15</b>

**Senior Year**

**First Semester**

CHE 460	Adv Inorg Chem	3
CHE 461	Adv Inorg Che Lab	1
____	Afr-Am Hist Req	3
CHE 430	Biochemistry	3
CHE 431	Biochem Lab	1
SSC____	Social Science Req	<u>3</u>
		<b>13</b>

**Second Semester**

CHE 380	Immunochemist	3
CHE 381	Immunochem Lb	1
HIS ____	History/Gov't El	3
____	Humanities Elect	3
NSC 453	Senior Project	<u>3</u>
		<b>14</b>

**Approved Electives for B.S. in Chemistry**

BIO 212	Human Anatomy & Physiology
BIO 213	Human Anatomy & Physiology Lab
CHE 230	Introduction to Radiochemistry
CHE 231	Introduction to Radiochemistry Lab I
CHE 232	Introduction to Radiochemistry Lab II
CHE 250	Radioactive Waste Management
CHE 350	Principles of Radiological Health
CHE 351	Principles of Radiological Health Lab
CHE 370	Advanced Radiochemistry
CHE 371	Advanced Radiochemistry Lab
CHE 410	Instrumental Analysis
CHE 411	Instrumental Analysis Lab
CHE 480	Special Topics in Nuclear Chemistry
ENV 331	Urban Ecology
ENV 332	Urban Ecology Lab
ENV 381	Air Resources
ENV 382	Water Resources
ENV 384	Energy Resources
PHY 310	Modern Physics I
PHY 311	Modern Physics Lab I
PHY 312	Modern Physics II

PHY 313 Modern Physics Lab II  
PHY 318 Optics  
PHY 320 Thermodynamics

### ***Bachelor of Arts in***

### **CHEMISTRY** (*Concentration in Radiochemistry*)

The School of Health and Natural Sciences, through support from and collaboration with the National Nuclear Security Administration, offers a program leading to the Bachelor of Arts in Chemistry with a concentration in radiochemistry. This program is designed for students planning graduate study in radiochemistry/nuclear chemistry and related fields of science or careers in government facilities for radiochemistry/nuclear chemistry.

#### **GRADUATION REQUIREMENTS**

This degree program requires at least 122 semester hours and two summer internships at a government laboratory under the auspices of the Department of Energy (DOE) for completion. Students, through the aid of their advisor(s), will seek and obtain the internships during the summer after completion of their sophomore year. To participate in the internships, as well as be admitted into this program, the student must maintain a cumulative GPA of 3.00/4.00 throughout his/her tenure at Florida Memorial University, with no C-, D, or F in any class from the curriculum.

#### **Program Goals**

Graduates of the BS Program in Chemistry with a concentration in Radiochemistry will

- be knowledgeable enough in their field to seek employment or admission to graduate/professional school
- have research and communications skills to function in a professional setting.

#### **Student Learning Outcomes**

Graduates of the BA program in Chemistry with a concentration in Radiochemistry should be able to

- Demonstrate command of facts, theories, and concepts of chemistry and nuclear science
- Function effectively in a laboratory setting by working safely with chemicals and radioactive substances and by working as a team member
- Perform independent research
- Use computers and instrumentation effectively
- Communicate effectively orally and in writing.

**Freshman Year**

**First Semester**

ENG 101	College Writing I	3
CHE 110	Gen Chem I	4
CHE 111	Gen Chem I Lab	1
MAT 201	Calculus I	3
REA 101	Critical Think/Read or	3
ENG 111	First Year Literature	
FMU 101	University 101inar	<u>3</u>
		<b>15</b>

**Second Semester**

ENG 102	College Writing II	3
CHE 112	General Chem II	4
CHE 113	Gen Chem II Lab	1
MAT 202	Calculus II	3
CHE 101	Cncpts. Nucl.Sci.	1
COM 103	Intro to Pub. Spk	<u>3</u>
		<b>17</b>

**Sophomore Year**

**First Semester**

PHY 200	Coll. Physics I	3
CHE 210	Organic Chem I	3
CHE 211	Organic Chem I Lab	1
CHE 214	Quant Analysis	3
CHE 215	Quant Analysis Lab	1
PHY 201	Coll. Phy. I Lab	1
PED 110	Dim of Wellness	<u>2</u>
		<b>14</b>

**Second Semester**

CSC ____	Comp Sci. Req.	3
CHE 212	Organic Chem II	3
CHE 213	Org Chem II Lab	1
PHY 202	Coll. Physics II	3
PHY 203	Coll. Phy. II Lab	1
REL 101	Intro to Religion	<u>3</u>
		<b>14</b>

**Summer after Sophomore Year First Internship at a DOE-sponsored laboratory**

**Junior Year**

**First Semester**

_____	Social Sciences Req	3
____	Foreign Lang Req I	3
CHE 340	Survey Phy Chem	3
CHE 341	Surv Phy Chem Lab	1
CHE 230	Intro Radiochemistry	3
CHE 231	College Physics I Lab	1
CHE 250	Radio. Wst. Mng.	<u>3</u>
		<b>17</b>

**Second Semester**

MAT 205	Prob & Stat	3
____	Foreign Lang Req II	3
CHE 350	Prin. Rad. Health	3
CHE 351	Prin. Rad. He. Lab	1
CHE 232	Intr. Rdchm. II	2
____	Elective	<u>3</u>
		<b>15</b>

**Summer after Junior Year Second Internship at a DOE-sponsored laboratory**

**Senior Year**

**First Semester**

CHE 370	Advan. Radiochem.	3
CHE 371	Ad. Radiochem. Lab	1
CHE 430	Biochemistry	3
CHE 431	Biochem Lab	1
____	Elective	3
____	Afr. Amer His Req	<u>3</u>
		<b>14</b>

**Second Semester**

CHE 380	Immunochem	3
CHE 381	Immuno Lab	1
____	Hist/Govt Req	3
____	Humanities Req	3
NSC 453	Senior Project*	3
CHE 480	Nuclear Chemistry	<u>3</u>
		<b>16</b>

\* In Nuclear Chemistry

## *Bachelor of Science in* **ENVIRONMENTAL STUDIES**

The mission of the Environmental Studies program is to produce well-rounded environmental scientists who may be employed in the field or pursue graduate studies, and to provide general education students with a solid foundation in environmental concepts and their multidisciplinary application to the relationship of humans to the natural world.

### **Program Goals**

Graduates of the BS Program in Environmental Studies will

- Be knowledgeable enough in their field to seek employment or admission to graduate/professional school
- have research and communications skills to function in a professional setting.

### **Student Learning Outcomes**

Graduates of the Environmental Studies program will be able

- To apply ecological concepts to global environmental problems
- To assess the various types of natural resources
- To demonstrate core knowledge of the physical and ecological sciences and
- To integrate the policy, economic, social, and values implications of environmental management.

Successful general education students will be able

- To demonstrate a working knowledge of the fundamental concepts of the physical and ecological sciences
- To assess the types of natural resources
- To evaluate global environmental problems through the application of scientific principles
- To relate their lives and careers to the principles of sustainability.

The School of Health and Natural Sciences offers a program leading to the Bachelor of Science degree in Environmental Science. Students must complete the ENV Core Curriculum and three of the four resource courses and at least one course and lab from the approved environmental science electives. A grade of "C" or better must be earned in each ENV course, with an overall cumulative grade point average of 2.0 or above.

### **Graduation Requirements**

This degree program requires a minimum of 121 semester hours for completion.

### Freshman Year

#### First Semester

ENG 101	College Writing I	3
BIO 130	Prin of Biology	3
BIO 131	Prin of Bio Lab	1
MAT 111	College Algebra	3
REA 101	Crit Think & Read or	3
ENG 111	First Year Lit	
FMU 101	University 101	<u>3</u>

**16**

#### Second Semester

ENG 102	College Writing II	3
BIO204/206	General Zoology/Botany	3
BIO205/207	General Zoo Lab/Bot Lab	1
MAT 112	Pre-Calculus	3
HIS ____	African Amer. Hist.	3
CSC ____	Computer Sci Req	<u>3</u>

**16**

### Sophomore Year

#### First Semester

CHE 110	General Chem I	4
CHE 111	General Chem Lab I	1
COM 103	Intro Pub Speak	3
ENV 101	Intro to Env Sci	3
MAT 205	Statistics	3
____ 201	Foreign Lang Req I	<u>3</u>

**17**

#### Second Semester

BIO 320	General Ecology	3
BIO 321	General Ecology	1
CHE 112	General Chem II	4
CHE 113	General Chem Lab	1
PSY 200	Intro to Psychology	3
____ 202	Foreign Lang Req II	3
PED 110	Dim of Wellness	<u>2</u>

**17**

### Junior Year

#### First Semester

CHE 214	Quant Analysis	3
CHE 215	Quant Anal Lab	1
ENV ____	Resource I	3
ENV ____	Resource II	3
____ ____	Social Science Req	<u>3</u>

**13**

#### Second Semester

REL 101	Intro to Religion	3
____ ____	Humanities Requirement	3
ENV 331	Urban Ecology	3
ENV 332	Urban Ecol Lab	1
ENV 362	Spirit and Nature	3
ENV ____	Resource III	<u>3</u>

**16**

### Senior Year

#### First Semester

ECO 485	Environ Economics	3
ENV 450	Field Stud Env Studies	3
ENV 461	South FL Ecology	3
ENV 462	South FL Ecology Lab	1
ENV 471	US Environment Policy	<u>3</u>

**13**

#### Second Semester

ENV 451	Senior Seminar	3
____ ____	BIO/CHE/ENV elective	3
____ ____	BIO/CHE/ENV/elective lab	1
____ ____	History/Govt. Requirement	3
____ ____	Elective	<u>3</u>

**13**

Students must complete all of the general education requirements. Students intending to go to graduate school should consult with their advisor for further information on required courses.

## *Bachelor of Arts in* **PHYSICS**

The School of Health and Natural Sciences offers a program leading to the Bachelor of Arts in Physics. This program is recommended for students who are planning to continue in graduate and professional schools or to work in educational and research institutions, as well as in industry.



### **Mission**

The mission of the Bachelor of Arts degree program in Physics is to provide students with working knowledge of the physical laws that govern the universe. The program provides broad training for graduate work and/or future technical, industrial or research careers in the physical sciences or related fields. Given that this program is one degree in a dual degree program based on the partnership between Florida Memorial University and the School of Engineering at Florida International University, both degrees (Bachelor of Arts in Physics and Bachelor of Engineering) can provide basic training for students who wish to enter graduate school, the engineering work force, or teach high school physics.

### **Program Goals**

Graduates of the BA program in Physics will

- be knowledgeable enough in their field to seek employment or admission to graduate/professional school
- have research and communications skills to function in a professional setting.

### **Student Learning Outcomes**

Graduates of the BA program in Physics should:

- Demonstrate knowledge of physical principles used to model natural phenomena
- Demonstrate ability to communicate physical concepts with mathematical expressions, and effectively derive quantitative predictions from a model through mathematical analysis
- Demonstrate understanding of scientific methodology, including
  - data collection from observations, setting up laboratory experiments and data collection from experiments
  - analysis of data
  - testing of a model or hypothesis by comparing with data
- Demonstrate competency in using computer tools, including
  - software programs for data analysis and presentation
  - numerical analysis
  - computer simulations.

### **Graduation Requirements**

This degree program requires 123 semester credit hours for completion. A grade of C or better is required in each core course, with an overall cumulative grade point average of 2.5 or above.

#### **Freshman Year**

##### **First Semester**

CHE110	General Chemistry I	4
CHE111	General Chemistry I Lab	1

##### **Second Semester**

PHY250	Physics w/Cal I	4
PHY251	Physics w/Cal I Lab	1
MAT202	Calculus II	3

ENG101	College Writing I	3	ENG102	College Writing II	4
MAT201	Calculus I	3	CHE112	General Chemistry II	4
FMU101	University 101inar	3	CHE113	General Chem II Lab	1
REA 101	College Reading or				
ENG 111	First Year Lit	<u>3</u>			
		<b>17</b>			<b>16</b>

**Sophomore Year**

**First Semester**

COM103	Intro to Public Spkg	3
PHY252	Physics w/Cal II	4
PHY253	Physics w/ Cal II Lab	1
CSC232	Intro. To Program.	3
MAT301	Calculus III	3
PED 110	Dim of Wellness	<u>2</u>
		<b>17</b>

**Second Semester**

CSC373	C++Programming	3
___	Foreign Language I	3
HUM__	Humanities	3
PHY310	Modern Physics I	3
PHY311	Modern Physics I Lab	1
MAT205	Probability & Stat.	<u>3</u>
		<b>16</b>

**Junior Year**

**First Semester**

___	Social Sciences Req.	3
___	Foreign Language II	3
PHY312	Modern Physics II	3
PHY313	Modern Physics II	1
	Lab	
MAT302	Multi-variable Cal.	3
HIS ___	African Amer Hist	<u>3</u>
		<b>16</b>

**Second Semester**

MAT401	Differential Equations	3
PHY320	Thermodynamics	3
PHY410	Mechanics I	3
PHY440	Electromagnetism I	3
REL 201	Intro to Philosophy	<u>3</u>
		<b>15</b>

**Senior Year**

**First Semester**

PHY411	Mechanics II	3
PHY441	Electromagnetism II	3
PHY470	Senior Physics Lab	2
PHY460	Quantum Mechanics I	3
___	History/Govt Req.	<u>3</u>
		<b>14</b>

**Second Semester**

PHY461	Quantum Mechanics II	3
NSC453	Senior Project	3
PHY462	Statistical Physics	3
___	Approved Elective	3
___	Solid State Physics	<u>3</u>
		<b>15</b>

**Approved Electives for the Bachelor of Arts in Physics**

AST 200	Stellar Astronomy	3
CHE 210	Organic Chemistry I	3
CHE 211	Organic Chemistry I Lab	1
CHE 212	Organic Chemistry II	3
CHE 213	Organic Chemistry II Lab	1
CHE 350	Principles of Radio Health	3
CHE 351	Prin Radio Health Lab	1
CHE 360	Physical Chemistry I	3
CHE 361	Physical Chemistry I Lab	1
CHE 362	Physical Chemistry II	3
CHE 363	Physical Chemistry II Lab	1
CHE 370	Advanced Radiochemistry	3
CHE 371	Adv Radiochemistry Lab	1

CHE 430	Biochemistry	3
CHE 431	Biochemistry Lab I	1
CHE 480	Spec Topics Nuclear Chem	3
ENV 384	Energy Resources	3
PHY 497	Special Relativity	3
PHY 498	General Relativity	3

### Dual Degree

## PHYSICS-ENGINEERING PROGRAM

*(offered jointly with Florida International University)*

Florida Memorial University offers part of a five-year integrated Dual Degree Engineering program in cooperation with Florida International University. Students attend Florida Memorial University for 3 years and then attend the Engineering School at Florida International University for 2 years. Students enrolled in this program will receive a Bachelor of Science degree in Physics (Florida Memorial University) simultaneously with an appropriate engineering degree (a Bachelor of Science) from FIU. These degrees awarded by the College of Engineering from Florida International University include Civil and Environmental Engineering, Computer Engineering, Electrical Engineering, Industrial and Systems Engineering, Mechanical Engineering, and Bio-Engineering.

### GRADUATION REQUIREMENTS

The Engineering and Applied Physics degrees will be awarded only upon the successful completion of prescribed work at both institutions. In order to matriculate successfully at Florida International University, a qualified student (1) must have completed Florida Memorial University's program requirements, (2) must have a cumulative G.P.A. of 2.5 or higher and a grade of "C" or better in all courses, and (3) must be recommended by the program director at Florida Memorial University.

Dual Degree engineering students meeting these qualifications will be admitted as full-time engineering students at Florida International University with full junior standing, or be concurrently enrolled at Florida International University. Students should select their intended field of study in their first year so that they enroll in appropriate engineering and science preparatory courses.

#### Freshman Year

##### First Semester

ENG101*	College Writing I	3
CSC232	Intro to Programming	3
CHE110	General Chemistry I**	4
CHE111	General Chemistry I Lab	1
MAT201	Calculus I	3
— —	Art or Music Appr.	<u>3</u>
		<b>17</b>

##### Second Semester

HUM__	Humanities w/writing I	3
ENG 102	College Writing II	3
SSC __	Social Sciences I (Found.)	3
PHY250	Physics w/Cal. I	4
PHY251	Physics w/Cal. II Lab	1
MAT202	Calculus II	<u>3</u>
		<b>17</b>

### Sophomore Year

#### First Semester

SSC ____	Social Sciences II (Tech.)	3
PEG201	Auto CAD	3
PEG331	Statics	3
PHY252	Physics w/Calculus II	4
PHY253	Physics w/Calculus II Lab	1
MAT203	Calculus III	<u>3</u>
		<b>17</b>

#### Second Semester

HUM ____	Humanities II	3
MAT302	Multivariable Calculus	3
PHY310	Modern Physics I	3
PHY311	Modern Physics I Lab	1
PEG332	Dynamics	3
CSC373	C++Programming†	<u>3</u>
		<b>16</b>

### Junior Year

#### First Semester

PHY312	Modern Physic II	3
PHY313	Modern Physics II	1
	Lab	
PHY318	Optics	3
MAT470	Senior Physics Lab	2
PHY440	Electromagnetism I	3
PHY460	Quantum Mechanics I	<u>3</u>
		<b>15</b>

#### Second Semester

PHY320	Thermodynamics # or	3
	Elective	
PHY441	Electromagnetism II	3
PHY461	Quantum Mechanics II	3
PHY463	Solid State Physics	3
MAT410	Differential Equations	<u>3</u>
		<b>15</b>

Social Sciences I (Foundations of Social Inquiry): Choose one course from PSY 200 Intro to Psychology; SOC 200 Intro to Sociology; ECO 201 Principles of Macroeconomics and ECO 202 Principles of Microeconomics.

Social Sciences II (Societies and Identities): Choose one course from the following accepted electives: CSC202H Technology, HIS 103 African American History I and HIS 335 African in the Modern World.

Humanities with writing I: One from HIS 101 World Civilization I; HIS 102 World Civilization II and HIS 200 History of United States of America.

Humanities with writing II: One of REL 101 Intro to Religion and REL 201 Intro to Philosophy.

\*Can be substituted with ENG 104H, Honors English I and ENG 102 can be substituted with ENG 105H, Honors English II

\*\*General Chemistry II and Lab is required for Civil Engineering and Biomedical Engineering students only.

†Visual Programming and CSC 395 Software Engineering Principle: for Computer, Electrical and Mechanical Engineering students; and Java for Computer Engineering students.

Bio-Engineering students must see their advisor for the biology and chemistry courses.

This applies to students interested in pursuing an engineering program in which Thermodynamics is not part of the curriculum at the partnering institution (FIU). Foreign Language I and II are not required for FIU, if they have been previously taken in high school.

At Florida Memorial University, a freshman student with a deficiency in Physics and/or Mathematics at the high school level is advised to take the following remedial courses: College Algebra (MAT 111), Pre-Calculus (MAT 112), College Trigonometry (MAT 113), General Physics I and Lab (PHY140 &141) and General Physics II and Lab (PHY142 &143). **Credits in these remedial courses cannot be applied toward graduation credits in Physics and in Engineering.** Students in remedial classes (099) may not enroll in upper level classes until all deficiencies,

including MAT 110-MAT 113 have been completed with grade C or better. First-year students placed in DSM 099 or in MAT 110 must meet with their advisors to discuss and decide how to proceed in their studies.

## **MINORS**

### **Minor in Biology**

A minor in biology consists of a minimum of 20 credit hours in biology beyond the general education biology requirements. A grade of C or better must be earned in each course. The overall cumulative grade point average for the minor must be 2.5 or above. Courses that may be used for the minor must be selected from the list of core and elective biology courses in consultation with the biology advisor.

### **Minor in Chemistry**

A minor in chemistry consists of 16 credits in chemistry courses at the 200-level or above, at least four credits of which must be at the 300- or 400-level. All courses must be passed with a grade of C or higher.

### **Minor in Ecology**

A minor in Ecology consists of the following courses: Introduction to Environmental Science, Ecology and Ecology Lab, Urban Ecology and Ecology Lab, Wetland Ecology and Wetland Ecology Lab, and Ecology of South Florida and Ecology of South Florida Lab. Students should note that there may be prerequisites to these courses. Any substitutions must be approved by the Director of Environmental Studies.

### **Minor in Environmental Science**

A minor in Environmental Science consists of a minimum of 18 credit hours in environmental studies courses. A grade of "C" or better must be earned in every course. The overall cumulative grade point average for the minor must be 2.5 or above. Courses used for the minor must be selected from the list of Core and elective courses in consultation with the environmental studies advisor.

### **Minor in Physics**

A minor in physics consists of 20 credits in physics courses at the 200-level or above, at least four credits of which must be at the 300- or 400-level. All courses must be passed with a grade of C or higher.

## **DEPARTMENT OF THE HUMANITIES**

The Department of Humanities offers majors in three programs: Communications (Broadcasting, Public Relations), English, and Religion and Philosophy. These programs prepare students for further study at the graduate or professional school level, as well as for entry into professional careers. The varied humanities disciplines are unified by their unique

ways of communicating—sharing human experience and knowledge. The humanities are the mirror and repository of culture. Like cultural institutions, they serve human needs. The Department of Humanities prepares students to compete successfully in the global, cultural, and economic community.

#### **DEPARTMENT MISSION STATEMENT**

The Humanities Department is designed to assist the University in its mission and recognizes that the study of the humanities contributes to the quality of life. The Department expects that students will leave its community of scholars and traditions prepared to participate fully in society.

#### **OBJECTIVES OF THE DEPARTMENT**

1. To give students an integral knowledge of the humanities via the study of communications, modern language, and religion and philosophy
2. To provide formal instruction to students who want to pursue careers in humanities professions
3. To develop awareness and understanding of the role of professionals in a complex and evolving society
4. To develop ideals and attitudes in students leading to professional actions that are ethically sound and integral to societal demands
5. To prepare students to compete successfully in an evolutionary, global, cultural and economic community
6. To prepare students for admission to graduate school or professional schools and theological seminaries
7. To inspire the desire and hone the abilities of students to develop and maintain high standards of performance in spoken and written communication

#### **DEPARTMENTAL GRADUATION REQUIREMENTS**

1. Completion of graduation requirements for undergraduates as identified under Academic Affairs of this catalog
2. Completion of required courses in the major with a grade of “C” or better and an overall GPA of 2.0
3. Appropriate materials for graduation filed with the Registrar

## ***Bachelor of Arts in*** **Communication – PUBLIC RELATIONS**

The Bachelor of Arts degree in Communication, with a concentration in Public Relations, prepares students for careers in business organizations, educational institutions, government agencies, medical facilities, non-profit organizations, public relations agencies and sports and entertainment operations, among others. The public relations major provides students opportunities to develop strategic communication, writing, and critical thinking skills that are vital in the global marketplace. The practical applications of ethics are also carefully considered. Students learn from practicing professionals and internships.

### **Goals**

Graduates of public relations will:

- Understand the role of liberal arts education to long-term success in the public relations profession
- Possess communication skills, such as the ability to write clearly and cogently, and the ability to deliver effective oral presentations
- Be able to critically evaluate the social, cultural and historical impact of media
- Develop an awareness and appreciation of ethical issues in public relations
- Apply ethical principles to their careers
- Learn the skills required to become a critical consumer of various media contexts and content.

### **Student Learning Outcomes**

Graduates of the Public Relations Concentration will demonstrate

- solid writing skills in media and public relations formats, such as media alerts, news releases, PSAs, strategic and tactical public relations campaign materials and plans, etc.
- the communication skills needed to build and maintain excellent client relationships, including organizational communications and business presentations
- understanding and expertise of public relations functions including message development, problem analysis, strategic planning, and tactical outcomes
- knowledge of the history and function of the news media and the necessary skills to work with members of the media under both proactive and reactive circumstances
- how ethical principles are implemented in a variety of public relations situations.
- written and oral proficiency in their senior projects.

## GRADUATION REQUIREMENTS

This degree program requires a minimum of 122 semester hours for completion. All students majoring in Public Relations must earn a grade of "C" or better in all Communication courses.

### Freshman Year

<u>First Semester</u>			<u>Second Semester</u>		
ENG 101	College Writing	3	ENG 102	College Writing II	3
MAT 110	Intermediate Algebra	3	MAT 111	College Algebra	3
FMU 101	University 101	3	___	Nat Science Req	3
REA 101	Critical Think /Read or		COM103	Intro Pub Speak	3
ENG 111	First Year Lit	3	PED 110	Dim of Wellness	2
CSC 101	Intro to Computers	3			
		<b>15</b>			<b>14</b>

### Sophomore Year

<u>First Semester</u>			<u>Second Semester</u>		
REL 101	Intro to Religion or	3	HIS 103	Afri Amer Hist or	3
REL 201	Intro to Philosophy		HIS 104	Afri Amer Hist	
POL 301	U.S. Government	3	___	Nat Science Req	3
___ ___	Social Science Req	3	___	Foreign Lang Req	3
___ ___	Humanities Req	3	___	Humanities Req	3
___ ___	Foreign Lang Req	3	COM 301	Sur of Mass Comm	3
		<b>15</b>			<b>15</b>

### Junior Year

<u>First Semester</u>			<u>Second Semester</u>		
COM 203	Newswrit & Report	3	COM 317	Publicat Design	3
COM 294	Writ for Elect Media	3	COM 205	Pub Rel Writ	3
COM 309	Fund Rad/TV Prod	3	COM 334	Persuasive Com	3
COM 314	Prin of Pub Rel	3	COM 308	Voice/Diction or	
COM 422	Comm Rsrch	3	COM 306	Bus & Prof Spk	3
		<b>15</b>	___ ___	Business Elective	3
					<b>15</b>

### Senior Year

<u>First Semester</u>			<u>Second Semester</u>		
COM 325	Pub Opin/Prop	3	___ ___	Marketing Elect	3
COM 423	Public Rel Camp	3	COM 318	Case Stud in PR	3
COM 442	Media Law/Eth	3	COM 494	Pub Rel Intern	3
COM 323	Organ Comm	3	COM 495	Senior Project	3
___ ___	Elective	3	COM 344	Div & Mass Com	3
		<b>15</b>	___ ___	Elective	3
					<b>18</b>

## CORE REQUIREMENTS FOR MAJORS

COM 203	Newswriting & Reporting	3
COM 301	Survey of Mass Comm	3
COM 334	Persuasive Communication	3
COM 422	Communication Research	3
COM 442	Media Law & Ethics	3



## SUGGESTED ELECTIVES

COM 306 Bus & Prof. Speaking	3
COM 307 Argumentation and Debate	3
COM 308 Voice & Diction	3
COM 319 Int'l Mass Comm	3
COM 400 Advanced Public Speaking	3
BUS 211 Principles of Management	3
BUS 345 Bus. Communications	3
BUS 350 Human Resource Mgmt	3
MAR 301 Principles of Marketing	3
MAR 460 Advertising	3

### *Bachelor of Arts in*

## Communication – BROADCAST

The Bachelor of Arts in Communication, with a concentration in Television, prepares students for careers in television, either as broadcast journalists or as producers. Students majoring in this concentration will develop broadcast communication skills, including announcing, on-camera performance, voice over production, video production and editing, audio production, and directing.

## STUDENT LEARNING OUTCOMES

Graduates of the Television Concentration will

- Be capable of writing broadcast scripts, news stories and features proficiently and correctly in styles and forms appropriate for the various communication audiences, and develop portfolios of broadcast projects using appropriate techniques and technologies
- Understand and apply ethical principles, laws of freedom of speech and press, and constitutional guarantees to the communications professions
- Be capable of conducting research and evaluating information using appropriate methods relevant to the communications professions.
- Be capable of developing strategic communication, writing, critical thinking, broadcast communication and production skills. Acquire on-the-job experience under the joint supervision of an employer and the Dean/Department Chair.

## GRADUATION REQUIREMENTS

The degree requires a minimum of 122 semester hours for completion. Students must earn a grade of "C" or better in all Communication courses.

### **Freshman Year**

#### **First Semester**

ENG 101	College Writing I	3
MAT 110	Intermediate Algebra	3
FMU 101	University 101	3
REA 101	Critical Think/Read or	
ENG 111	First Year Literature	3
		<b>12</b>

#### **Second Semester**

ENG102	College Writing II	3
MAT 111	College Algebra	3
— —	Nat. Science Req.	3
COM 103	Intro to Pub. Speak.	3
PED 110	Dim of Wellness	2
CSC 101	Intro to Computers	3
		<b>14</b>

**Sophomore Year**

**First Semester**

REL 101	Intro to Religion or	3
REL 201	Intro to Philosophy	3
POL 301	U.S. Government	3
— —	Social Science Req.	3
— —	Humanities Req.	3
— —	Foreign Lang. Req.	<u>3</u>
		<b>15</b>

**Second Semester**

HIS 103	African Amer. His or	3
HIS 104	African Amer. His.	
— —	Nat. Science Req.	3
— —	Foreign Lang. Req.	3
— —	Humanities Req.	3
COM 301	Sur of Mass Comm.	<u>3</u>
		<b>15</b>

**Junior Year**

**First Semester**

COM 203	News writing & Rep.	3
COM 201	Writing Elect. Media	3
COM 328	TV Newscasting	3
— —	Major Elective	3
— —	Major Elective	3
— —	Business Elective	<u>3</u>
		<b>18</b>

**Second Semester**

COM 295	Television News Rep.	3
— —	Elective	3
COM 334	Persuasive Com	3
— —	Major Elective	3
COM 422	Comm. Research	3
COM 329	TV Production	<u>3</u>
		<b>18</b>

**Senior Year**

**First Semester**

COM 442	Media Law & Ethics	3
COM 494	Internship	3
— —	Elective	3
— —	Elective	3
— —	Elective	<u>3</u>
		<b>15</b>

**Second Semester**

— —	Marketing Elective	3
COM 495	Senior Project	3
COM 406	Television Practicum	3
— —	Elective	<u>3</u>
		<b>12</b>

**CORE REQUIREMENTS FOR MAJORS**

COM 203	News writing & Reporting	3
COM 301	Survey of Mass Comm	3
COM 334	Persuasive Communication	3
COM 422	Communication Research	3
COM 442	Media Law & Ethics	3

**SUGGESTED ELECTIVES**

COM 306	Bus & Prof. Speaking	3
COM 307	Argumentation and Debate	3
COM 308	Voice & Diction	3
COM 314	Principles of Public Relations	3
COM 319	Int'l Mass Comm	3
COM 344	Diversity in Mass Com	3
COM 400	Advanced Public Speaking	3
BUS 211	Principles of Management	3
BUS 345	Bus. Communications	3
MAR 301	Principles of Marketing	3
MAR 460	Advertising	3

## MINOR IN COMMUNICATION

A minor in Communication consists of a minimum of 18 credit hours from the Core Curriculum beyond the General Education requirements. A grade of "C" or better must be earned in each course. The following Core courses are recommended:

COM 301 Survey of Mass Comm	3
COM 203 Newswriting & Reporting	3
COM 205 Public Relations Writing	3
COM 442 Mass Media Law & Ethics	3
COM 314 Principles of Public Relations	3
COM 423 Public Relations Campaigns	3
COM 309 Fund of Radio/TV Prod	3

## *Bachelor of Arts in* ENGLISH

The English major/minor provides an important foundation in literature, advanced writing and research skills for graduates entering fields such as religion, business, management, government, law, marketing, advertising, communication, technical writing and editing, public relations, education, and multimedia journalism.

A major in English also prepares students for graduate study in English language and literature. Upon the recommendation of an English advisor, English majors may minor in a number of disciplines to better prepare them for specific career goals.

The primary Mission of the English area is to support and promote the Mission of Florida Memorial University. Great emphasis is placed on instruction in Freshman core classes to maximize student success and retention from the first semester forward. The discipline of English embraces literature in the broadest interpretation of the word as a gateway to strengthen student writing, critical thinking, and creative research and expression. The English area prepares students to become insightful, technologically literate, life-long learners who understand the connection between theory and application in order to compete successfully in careers and/or advanced studies within a complex and evolving global society.

## GOALS

**Upon completion of the Bachelor of Arts in English program students will**

- 1) Write according to purpose and audience
- 2) Write focused essays in clear, grammatical prose using Edited American English
- 3) Think creatively and independently
- 4) Ethically gather, understand, evaluate, and synthesize information
- 5) Perform formal research according to MLA documentation and style
- 6) Demonstrate knowledge of literary history

- 7) Demonstrate knowledge of literary forms / genres
- 8) Demonstrate understanding of important literary concepts and terms
- 9) Use critical strategies in responding to literature
- 10) Analyze and evaluate literature with well articulated positions, illustrations, and support
- 11) Use technology appropriate to the assignment.

### Student Learning Outcomes (SLOs)

**Upon completion of the Bachelor of Arts in English program students will have demonstrated mastery in**

- Writing essays that focus on purpose and respond to the needs of different audience
- Understanding a research writing assignment as a series of tasks, including finding, evaluating, analyzing, and synthesizing appropriate primary and secondary sources
- Using multiple strategies for generating, organizing, revising, editing, proofreading, and writing essays
- Writing essays structured with clear beginnings, theses, appropriate body paragraph development and conclusions
- Writing essays with content which demonstrates critical thinking in a logical and clear progression using language appropriate to audience with assertions which are clearly supported or illustrated
- Writing essays with an acceptable number of syntax and grammar errors for the criteria of the papers
- Performing formal research according to MLA documentation and style.
- The knowledge of literary history, forms and genres, as well as an understanding of important literary concepts and terms
- Using technology appropriate to the assignment
- Presenting research findings orally in an effective manner appropriate to purpose and audience.

### GRADUATION REQUIREMENTS

This degree program requires a minimum of 122 semester hours for graduation. English majors must take a minimum of 42 credits in English at the 200 level or above **and** complete a minimum of twelve (12) credit hours in sequence in the same modern language other than English. To graduate, an English major must earn a C or better in all ENG and modern language courses. A C- or lower in any major course is not considered passing and the course must be retaken.

#### Freshman Year

##### First Semester

ENG 101	College Writing I	3
MAT 110	Inter. Algebra	3
PED 110	Dim of Wellness	2

##### Second Semester

ENG 102	College Writing II	3
MAT 111	College Algebra	3
CSC 101	Intro to Comp	3

FMU 101	University 101	3	HIS ____	Afri Amer Hist I or II	3
ENG 111	First Year Lit	<u>3</u>	REL 101	Intro to Religion or	<u>3</u>
			REL 201	Intro to Philosophy	
		14			15

### Sophomore Year

#### First Semester

ENG 202	World Literature II	3
COM103	Intro Pub Speak	<u>3</u>
____ 200	Humanities Req	3
____ ____	Nat Science Req	3
____ 201	For Lang Req I	3
		15

#### Second Semester

PSY 200	Intro to Psychology	3
ENG 2__	Approved Elective	3
____ ____	Nat Science Req	3
____ 202	For. Lang Req II	3
____ ____	Gen Elective	<u>3</u>
		15

### Junior Year

#### First Semester

HIS 200	History of the USA	3
ENG 309	Adv Gram & Com	3
ENG 3__	Approved Elective	3
____ 301	Int Foreign Lang I	3
____ ____	General Elective	<u>3</u>
		15

#### Second Semester

ENG 308	Afri Amer Lit	3
ENG 304	English Lit. II	3
____ 302	Int. For Lang II	3
ENG 3__	Approved Elective	3
ENG 3__	Approved Elective	<u>3</u>
		15

### Senior Year

#### First Semester

ENG 495	Senior Project	3
ENG 443	Special Topics	3
ENG 405	Creative Writing	3
____ ____	General Elective	3
____ ____	General Elective	3
____ ____	General Elective	<u>3</u>
		18

#### Second Semester

ENG 3__	Approved Elective	3
ENG 4__	Approved Elective	3
ENG 4__	Approved Elec.	3
____ ____	General Elective	3
____ ____	General Elective	<u>3</u>
		15

### Approved Electives

ENG 201	World Literature I	3
ENG 212	Ethnic American Literature	3
ENG 297	Caribbean Literature	3
ENG 303	English Literature I	3
ENG 304	English Literature II	3
ENG 308	African American Literature	3
ENG 310	Study Abroad	3-6
ENG 315	Adolescent Literature	3
ENG 316	African Amer. Women Writers	3
ENG 340	Contemporary Amer. Literature	3
ENG 351	Contemporary Poetry	3
ENG 355	Harlem Renaissance	3
ENG 361	Contemporary Fiction	3
ENG 371	Contemporary Drama	3
ENG 383	Literary Criticism	3
ENG 400	Novel	3
ENG 401	Renaissance Literature	3
ENG 402	Romantic Literature	3
ENG 403	Shakespeare	3
ENG 404	Victorian Literature	3
ENG 405	Creative Writing	3

ENG 410	Study Abroad	3-6
ENG 442	Post-Colonial Literature	3
ENG 443	Special Topics	3
ENG 444	Mythology	3
ENG 455	American Literature (1800-1865)	3
ENG 456	American Literature (1865-1914)	3
ENG 457	American Literature (1914-1945)	3
ENG 465	Internship	3-6

### **Minor in English**

Students wishing to minor in English must take six courses (18 credits):

ENG 201	World Literature I (or)
ENG 202	World Literature II
ENG 212	Ethnic American Literature
ENG 297	Caribbean Literature
ENG 308	African American Literature
ENG 316	African American Women Writers
ENG 340	Contemporary American Literature
ENG 351	Contemporary Poetry
ENG 355	Harlem Renaissance
ENG 361	Contemporary Fiction
ENG 403	Shakespeare
ENG 455	American Literature (1800-1865)
ENG 457	American Literature (1914-1945)

### **Minor in Foreign Language**

Minor in a Foreign Language provides for the study of French or Spanish with emphasis on the history and literature of the culture. The minor is planned by students and their academic advisor to include a minimum of 18 semester credit hours of 300- and 400-level courses.

### **Language Requirement Non-Native French or Spanish Speakers**

Students must successfully complete a minimum of six (6) credit hours in sequence in the same foreign language. English majors are required to complete a minimum of twelve (12) credit hours in sequence in the same foreign language. The 201 and 202 courses in French and Spanish may **NOT** be taken through Credit by Examination. These courses may **NOT** be taken simultaneously. The level of the first course a non-native speaker may take is determined by the last course completed in high school. For most students, one year in high school will normally be considered equal to one semester in University, as indicated in the table below.

### **Only junior high or no French or Spanish course take:**

FRE 201 and 202 or SPA 201 and 202
French I or Spanish I
FRE 202 and 301 or SPA 202 and 301
French II or Spanish II

FRE 301 and 302 or SPA 301 and 302  
French III or Spanish III  
FRE 307 and 308 or SPA 307 and 308  
French IV or Spanish IV  
FRE 307 and 300 Literature or SPA 307 and 300 Literature

### **Native French or Spanish Speakers**

Native French or Spanish speakers are also required to complete six (6) credit hours in sequence in a foreign language. If students wish to satisfy this requirement in a language they already speak, they may do so by taking courses in sequence as described in the table below. Enrollment in FRE 312 or 324 or SPA 312 or 324 is limited to students to have completed only two years or less of formal language instruction in their mother tongue at the high school level. These courses are **NOT** open to students who have completed over two years of secondary studies in their country of origin. **If this describes your level in French or Spanish then enroll in courses in the order shown above.**

<i>Little or no formal course work take:</i>	FRE 312 and 324 or SPA 312 and 324
<i>Ability to read and write in the language take:</i>	FRE 307 and 308 or SPA 307 and 308
<i>Thorough knowledge of grammar take:</i>	Two 300 civilization or literature courses in the appropriate language.

### ***Bachelor of Arts in***

## **RELIGION AND PHILOSOPHY**

The Bachelor of Arts degree in Religion and Philosophy supports the University's Mission in that it prepares students for a broad spectrum of leadership positions within the varied fields of the ministry, and gives them a broad-based knowledge in philosophy that prepares them for various careers. This specialized program is carefully designed to train the student minister in the areas of counseling, church administration, and evangelism. Students are also given the basic tools necessary for further study at graduate or professional schools in philosophy, or at theological seminaries.

### **Graduates of Religion and Philosophy will:**

- Be prepared for seminary or graduate school in religion, theology, and/or philosophy, a variety of leadership positions in a wide range of Christian ministries, including parish/congregation ministry, para-church ministry, chaplaincy, mission work at home and abroad, and other forms of church vocation
- understand the broad and varied interrelationship of religion, philosophy, and culture (including music, art, media, law, and diverse forms of popular culture).

## **Student Learning Outcomes (SLOs)**

**Upon completion of the Bachelor of Arts in English program students will have demonstrated mastery in**

- Writing essays that focus on purpose and respond to the needs of different audience
- Understanding a research writing assignment as a series of tasks, including finding, evaluating, analyzing, and synthesizing appropriate primary and secondary sources
- Using multiple strategies for generating, organizing, revising, editing, proofreading, and writing essays
- Writing essays structured with clear beginnings, theses, appropriate body paragraph development and conclusions
- Writing essays with content which demonstrates critical thinking in a logical and clear progression using language appropriate to audience with assertions which are clearly supported or illustrated
- Writing essays with an acceptable number of syntax and grammar errors for the criteria of the papers
- Performing formal research according to MLA documentation and style.
- The knowledge of literary history, forms and genres, as well as an understanding of important literary concepts and terms
- Using technology appropriate to the assignment

Presenting research findings orally in an effective manner appropriate to purpose and audience.

## **Graduates of the Religion and Philosophy program will**

- bring rigorous biblical, theological, and philosophical reasoning to bear on “real-world” issues
- demonstrate an understanding of the role religious beliefs and practices play in matters of social justice, particularly the African American legacy of struggle for equality
- describe and discuss major events and concepts in Christian history and describe the concepts that comprise a religious worldview such as the creation of the world, good and evil, salvation, and the meaning of suffering
- utilize biblical methods of study, criticism, hermeneutics, sermon preparation and delivery
- demonstrate general knowledge and practical training of pastoral visitation and counseling, planning liturgy, and effective church/ministry leadership demonstrate solid writing skills for theological and/or philosophical thinking and arguments.



**Graduation Requirements:** This degree program requires 125 hours for completion.

**Freshman Year**

**First Semester**

ENG 101	College Writ I	3
MAT 110	Intermediate Algebra	3
CSC 101	Intro to Comp	3
FMU 101	University 101	3
PED 110	Dim. of Wellness	2
REL 101	Intro to Religion	<u>3</u>
		<b>17</b>

**Second Semester**

ENG 102	College Writ II	3
MAT 111	College Algebra	3
REA 101	Critical Think/Read or	3
ENG 111	First Year Literature	
HIS ____	African American Hist	3
COM 103	Intro to Pub Speak	<u>3</u>
		<b>15</b>

**Sophomore Year**

**First Semester**

HIS 101	World Civil I	3
REL 314	Sur of Baptist Doc	3
REL 206	Old Testament Survey	3
____	Nat Science Req	3
PSY 200	Intro to Psychology	<u>3</u>
		<b>15</b>

**Second Semester**

____	Nat Science Req	3
REL 201	Intro to Philosophy	3
HIS 102	World Civil II	3
REL 207	New Test Survey	3
REL 202	Philos of Religion	<u>3</u>
		<b>15</b>

**Junior Year**

**First Semester**

REL 310	The Psalms	3
REL 402	8th & 7thCent Prop	3
PHI 311	Ancient Philosophy	3
REL 434	Life of Christ	3
PHI 331	Contemporary Ethics	3
		<b>15</b>

**Second Semester**

REL 313	Life & Let of Paul	3
REL 432	Christian Ethics	3
PHI 312	Western Philosophy	3
REL 351	Pastoral Ministry	3
PHI 321	Philosophy of Art	<u>3</u>
		<b>15</b>

**Senior Year**

**First Semester**

REL 473	Sys Theology I	3
____	Humanities Req	3
PHI 411	Philo of Education	3
REL 463	Black Theology	3
REL 405	Internship I	<u>3</u>
		<b>15</b>

**Second Semester**

REL 474	Sys Theology II	3
PHI 431	Philo of Science	3
REL 406	Internship II	3
REL 495	Senior Project	3
PHI 341	Logic	<u>3</u>
		<b>15</b>

## **DEPARTMENT OF SOCIAL SCIENCES**

### **PROGRAMS OFFERED**

The Department of Social Sciences offers the following degree programs:

- \* Bachelor of Arts in Criminal Justice
- \* Bachelor of Arts in Political Science/Public Administration
- \* Bachelor of Science in Psychology
- \* Bachelor of Arts in Sociology
- \* Bachelor of Social Work

### **Mission Statement**

The mission of the Department of Social Sciences is to advance the intellectual, analytical, and communication skills of its students and to prepare them for the challenges of a diverse, global society. The Department further aims to nurture character that will enable students to function with proficiency and compassion within the human family. The Department is committed to providing quality instruction, advisement, and mentorship. The faculty encourages and supports student research by providing applied technological learning opportunities in research methods and statistics and assisting students in developing a defensible senior project.

### **Departmental Goals**

The goals of the Department are

- To nurture qualities which enable students to function with proficiency and compassion within the human family
- To empower students to function in a global society by allowing them opportunities to learn more about themselves and their society
- To develop critical analytical thinking and writing skills
- To develop leadership skills
- To prepare students for entry into graduate and professional school and
- To prepare students for entry-level positions in government and the private sector.

### **Student Learning Outcomes**

Students will be able to:

- Demonstrate understanding of theories, concepts, ideas, methods, models and arguments prevalent in a variety of social science disciplines
- Understand the shifting theoretical paradigms within the social sciences and within the disciplines
- Communicate effectively through oral and written communication. Demonstrate an analytical and problem-solving ability in a systematic and logical manner

- Conduct empirical research by utilizing both quantitative and qualitative methodologies to produce an acceptable scholarly study and be able to present the findings in a logical and coherent manner and
- Utilize appropriate technologies to conduct research and communicate effectively in a cogent manner.

To ensure student achievement, faculty members of the Department of Social Sciences utilize a variety of teaching and evaluation techniques, engage students in research activities, and promote exceptional learning through internships and service learning.

Minors are offered in all social sciences degree-granting areas, as well as in African American Studies and History.

## **CRIMINAL JUSTICE**

### **Program Mission Statement**

The Criminal Justice Program promotes life-long learning among its students with the aim of turning them into professionals and leaders in the criminal justice system. The program empowers students to become critical thinkers, problem-solvers, policy initiators, ethical actors, and competent administrators in the study of crime and criminal behavior, crime prevention and justice at all levels of society. The curricula are dynamic, innovative and provide both substantive and practical knowledge that connects social-scientific theories with appropriate methodologies to serve a diverse multicultural environment. As a result, the program is divided into three specialized areas, including Criminal Justice, Criminology, and Pre-Law. Students are free and also encouraged to choose their area of particular interest.

Graduates are prepared for service in parole and probation agencies, correctional institutions, and federal, state, local, and private investigative or security agencies, juvenile justice programs, and law enforcement agencies. Graduates may choose to further their studies in graduate or law schools.

### **Program Goals**

1. To enable students to develop substantive knowledge in the field of criminal justice , including the laws, theories, causes and methods of crime prevention and control, the institutions and the actors involved, as well as the political and legal framework of the operations of the criminal justice system
2. To enable students to communicate effectively and cogently through enhancing their speaking and writing skills
3. To develop critical thinking, analytical, and problem-solving skills and be able to address issues from a variety of perspectives

4. To enable students to acquire skills in conducting scientific research using both quantitative and qualitative methods and be able to analyze and interpret data relevant to policy areas in criminal justice.
5. To enable students to understand the ethical implications of criminal justice work and be able to perform with integrity.

## Program Student Learning Outcomes

Upon completion of the Criminal Justice Program, the graduate will be able to:

1. Understand and analyze critically criminal justice, criminological, criminal law, and delinquency concepts, theories and models
2. Analyze the organizational, cultural and institutional characteristics and operations of the major criminal justice system, including law enforcement, corrections, courts, adjudications and the sociopolitical and legal implications
3. Apply appropriate empirical research methodology in describing and analyzing social issues pertaining to the criminal justice system
4. Communicate orally and in writing in a critical, analytical and cogent manner
5. Perform and function effectively in any professional environment with a full understanding of the scope and importance of ethical consideration.

## Bachelor of Arts in

## CRIMINAL JUSTICE

The criminal justice curriculum prepares men and women for careers and leadership roles in the prevention and correction of crime and delinquency. Students majoring in criminal justice study criminal justice systems and theories, criminal law, and corrections philosophy. Graduates are prepared for service in parole and probation agencies, correctional institutions, and federal, state, local, and private investigative or security agencies, juvenile justice programs, and law enforcement agencies. Graduates may choose to further their studies in graduate or law schools.

**Graduation Requirements:** This degree program requires a minimum of 122 semester hours for completion.

### Freshman Year

#### First Semester

ENG 101	College Writing I	3
REA 101	Crit Think/Read or	3
ENG 111	First Year Lit.	
MAT 110	Inter. Algebra	3
CSC 101	Intro to Comp	3
FMU 101	University 101	3
		<b>15</b>

#### Second Semester

ENG 102	College Writ. II	3
MAT 102	Coll Math II	3
HIS ____	Afr Amer Hist	3
REL 101	Intro to Religion	3
PED 110	Dimension of Wellness	2
____	Humanities Req.	3
		<b>17</b>

**Sophomore Year**

**First Semester**

___ ___	Foreign Lang Req	3
CRJ 200	Intro to Crim Just	3
___ ___	Elective	3
___ ___	Nat Science Req	3
SOC 200	Intro to Sociology	<u>3</u>
		<b>15</b>

**Second Semester**

HIS200	History of USA	3
___ ___	Foreign Lang Req	3
COM 103	Intro Publ Spk	3
___ ___	Nat Science Req	3
PSY 200	Intro Psy	<u>3</u>
		<b>15</b>

**Junior Year**

**First Semester**

ENG 309	Adv Gra & Com	3
CRJ 301	Criminal Law I	3
SSC 302	Intro to Statistics	3
SSC 300	Research Methods	3
POL 301	US Government	<u>3</u>
		<b>15</b>

**Second Semester**

SOC 309	Socio Deviance	3
CRJ 407	Constitut Law I	3
PSY 401	Advance Statist	3
POL 302	State & Local Gv	3
CRJ 304	Causes & Prev De	<u>3</u>
		<b>15</b>

**Senior Year**

**First Semester**

CRJ 403	Police Admin	3
CRJ 303	Probation & Parole	3
CRJ 423	Senior Project	3
___ ___	Approved Elect	3
CRJ 409	Crim Evid & Ct Pr	<u>3</u>
		<b>15</b>

**Second Semester**

CRJ 403	Criminology	3
CRJ 405	Law Enforcement	3
SSC 424	Field Experience	3
___ ___	Approved Elect	3
___ ___	Approved Elect	<u>3</u>
		<b>15</b>

Approved Electives

CRJ 400	Selected Topics in Criminal Justice	3
CRJ 406	Senior Seminar	3
CRJ 302	Criminal Law II	3
CRJ 408	Constitutional Law II	3
CRJ 409	Criminal Evidence and Court Proc.	3
CRJ 410	Public and Private Security	3
CRJ 411	Drugs, Alcohol and Crime	3
CRJ 412	Criminal Investigation	3
SSC 424	Field Experience	3

***Bachelor of Arts in***

**CRIMINAL JUSTICE**

***Concentration in Criminology***

This major field of study enhances student appreciation of applying science to the study of crime, criminals, and criminal behavior.

**Graduation Requirements:** This degree program requires a minimum of 120 semester hours for completion.

**Freshman Year**

**First Semester**

ENG 101	College Writing I	3
REA 101	Crit Think/Read or	3
ENG 111	First Year Lit	
MAT 110	Intermediate Algebra	3
HIS ____	African Amer Hist	3
FMU 101	University 101	<u>3</u>
		<b>15</b>

**Second Semester**

ENG 102	College Writing II	3
CSC 101	Intro to Comp	3
MAT 114	Finite Mathematics	3
REL 101	Intro to Religion	3
____	Humanities Req	<u>3</u>
		<b>15</b>

**Sophomore Year**

**First Semester**

PED 110	Dimension of Wellness	2
____	Foreign Lang Req	3
SSC 200	Intro to Sociology	3
BIO 130	Prin of Biology	3
BIO 131	Prin of Bio Lab	1
PSY 200	Intro to Psyc	<u>3</u>
		<b>15</b>

**Second Semester**

HIS 200	History of USA	3
COM 103	Intro Pub Spk	3
PSC 101	Physical Science	3
CRJ 200	Intro Crim Just	3
____	Foreign Lang Req	<u>3</u>
		<b>15</b>

**Junior Year**

**First Semester**

ENG 309	Adv Gra & Com	3
CRJ 301	Criminal Law I	3
SSC 302	Intro to Stat	3
SSC 300	Research Methods	3
POL 301	US Government	<u>3</u>
		<b>15</b>

**Second Semester**

SOC 309	Soc of Deviance	3
CRJ 307	Criminology	3
PSY 401	Advanced Stat	3
CRJ 407	Constitution Law	3
CRJ 403	Police Admin	<u>3</u>
		<b>15</b>

**Senior Year**

**First Semester**

CRJ 305	Confine Facilities	3
PSY 308	Personal Theory	3
____	Approved Elect	3
CRJ 409	Crim Ev & Co Proc	3
CRJ 412	Criminal Invest	<u>3</u>
		<b>15</b>

**Second Semester**

CRJ 405	Law Enforcement	3
SSC 423	Senior Project	3
CRJ 410	Pub and Priv Sec	3
CRJ 411	Drug, Alcoh & Cri	3
____	Approved Elect	<u>3</u>
		<b>15</b>

**APPROVED ELECTIVES**

CRJ 303	Probation and Parole Systems	3
CRJ 304	Cause & Prevention of Delinquency	3
CRJ 408	Constitutional Law II	3
CRJ 406	Senior Seminar in Criminal Justice	3
CRJ 302	Criminal Law II	3
SSC 419/421	Field Placement I	3
PAD 306	Administrative Behavior	3
POL 302	State & Local Government	3

**Bachelor of Arts in**  
**CRIMINAL JUSTICE**  
*Concentration in Pre-Law*

These courses will provide each student with both the skills and foundation that will lead to either the successful pursuit of employment or attendance at graduate or professional school studies.

**Graduation Requirements:** This degree program requires a minimum of 122 semester hours for completion.

**Freshman Year**

<u>First Semester</u>			<u>Second Semester</u>		
ENG 101	College Writing I	3	ENG 102	College Writing II	3
REA 101	Crit Think/ Read or	3	CSC 101	Intro to Comp	3
ENG 111	First Year Literature		MAT 114	Finite Mathematics	3
MAT 110	Intermediate Algebra	3	REL 101	Intro to Religion	3
HIS ___	African Amer Hist	3	PED 110	Dim. of Wellness	<u>2</u>
FMU 101	University 101	<u>3</u>			
		<b>15</b>			<b>14</b>

**Sophomore Year**

<u>First Semester</u>			<u>Second Semester</u>		
___ ___	Humanities Req	3	___ ___	Foreign Lang Req	3
___ ___	Foreign Lang Req	3	COM 103	Intro Pub Spk	3
SOC 200	Intro to Sociology	3	CRJ 200	Intro Crim Just	3
___ ___	Natural Science Req	3	HIS 200	Hist of the USA	3
PSY 200	Intro to Psy	<u>3</u>	ENG 309	Adv Gra & Com	3
			___ ___	Nat Science Req	<u>3</u>
		<b>15</b>			<b>18</b>

**Junior Year**

<u>First Semester</u>			<u>Second Semester</u>		
SSC 300	Research Mthds	3	SOC 309	Soc of Deviance	3
CRJ 301	Criminal Law I	3	CRJ 302	Criminal Law II	3
POL 301	US Government	3	PSY 401	Adv Statistics	3
SSC 302	Intro to Statistics	3	POL 302	State & Local Gov	3
CRJ 305	Confine Facilities	<u>3</u>	CRJ 306	Corr Phil & Serv	<u>3</u>
		<b>15</b>			<b>15</b>

**Senior Year**

<u>First Semester</u>			<u>Second Semester</u>		
CRJ 307	Criminology	3	SSC 424	Field Experience	3
CRJ 403	Police Admin	3	SSC 423	Senior Project	3
CRJ 407	Constit. Law I	3	CRJ 408	Constitut Law II	3
CRJ ___	Approved Elect	3	___ ___	Approved Elect	3
CRJ 409	Crim Ev & Co Pro	<u>3</u>	POL 436	Political Theory	<u>3</u>
		<b>15</b>			<b>15</b>

## APPROVED ELECTIVES

CRJ 304	Causes & Prevention of Delinquency	3
CRJ 400	Selected Topics in Criminal Justice	3
CRJ 410	Public and Private Security	3
CRJ 411	Drugs, Alcohol, and Crime	3
CRJ 412	Criminal Investigation	3
POL 330	International Politics	3
POL 337	Public Policy Analysis	3

### *Bachelor of Arts in*

## **POLITICAL SCIENCE & PUBLIC ADMINISTRATION**

### **Mission Statement**

The program in Political Science and Public Administration offers background and preparation for students seeking to enter graduate or professional school, government service or teaching political science in secondary schools. Students interested in teaching in secondary school must consult with the School of Education concerning additional courses to be taken in order to meet graduation and certification requirements. Students interested in pursuing law as a career will work closely with their pre-law advisor.

### **Program Goals**

The program goals are to ensure that students:

1. Understand the fundamental principles, theories, concepts and ideologies in political science and public administration
2. Develop knowledge of various kinds of political systems, governments, institutions and the operations of international political systems
3. Understand the nature and characteristics of the American national, state and local governments and institutions and the administration of these governments
4. Develop the ability to conduct empirical research using quantitative and qualitative methodologies to analyze, interpret and disseminate data in a logical and systematic manner
5. Develop the ability to think critically and communicate effectively both orally and in writing
6. Understand the usage and or applications of extant learning technologies
7. Understand the interactions of national and international actors in the global political arena.



## Program Student Learning Outcomes

At the completion of the Political Science/Public Administration major, graduates will be able to:

1. Articulate the general purposes of life in the polity and public administration principles and procedures
2. Discuss and analyze theoretical, conceptual and ideological principles underlying political systems and sub-systems, governments, institutions and processes
3. Demonstrate through discussion and writing an understanding of American national, state and local governments, institutions and politics, as well as the interest groups that impact the policy making process in various ways
4. Articulate public policy processes and the different roles that interest groups play in influencing governmental decisions in allocating resources and benefits
5. Apply the scientific method in the gathering and analyzing of political data, as well as communicating findings both orally and in writing
6. Discuss in logical and analytical manner the interactions of national and international actors and institutions in the global diplomatic system
7. Utilize technology in generating and communicating information and knowledge.

**Graduation Requirements:** This degree program requires a minimum of 122 semester hours for completion.

### Freshman Year

<u>First Semester</u>			<u>Second Semester</u>		
ENG 101	College Writing I	3	ENG 102	College Writing II	3
REA 101	Crit Think/Read or	3	CSC 101	Intro to Comp	3
ENG 111	First Year Literature		MAT 111	College Algebra	3
MAT 110	Intermediate Algebra	3	REL 101	Intro. to Religion	3
HIS ____	Afr Amer His	3	PED 110	Dim. of Wellness	<u>2</u>
FMU 101	University 101	<u>3</u>			
		<b>15</b>			<b>14</b>

### Sophomore Year

<u>First Semester</u>			<u>Second Semester</u>		
____	Humanities Req	3	____	Elective	3
____	Foreign Lanq Req	3	____	Foreign Lanq Req	3
ECO 201	Prin of Macro	3	POL 200	Intro Pol Sc	3
____	Nat Science Req	3	____	Nat Science Req	3
PSY 200	Intro to Psy	<u>3</u>	COM 103	Intro Pub Spk	3
			SOC 200	Intro to Soc	<u>3</u>
		<b>15</b>			<b>18</b>

### Junior Year

<u>First Semester</u>			<u>Second Semester</u>		
HIS 200	History of the USA	3	PAD 304	Pub Per Admin	3
POL 301	U.S. Govt	3	POL 302	State & Local Gov	3
PAD 301	Concepts & Issues	3	PAD 306	Admin Behav	3
SSC 300	Research Methods	3	____	Approved Elect	3
POL 335	Const Law I	<u>3</u>	POI 408	Constitut Law II	<u>3</u>
		<b>15</b>			<b>15</b>

**Senior Year**

**First Semester**

PAD 303	Prin of Pub Plan	3
— —	Approved Elect	3
SSC 302	Intro to Statistics	3
POL 311	Comp Government	3
SSC 419	Field Placement	<u>3</u>
		<b>15</b>

**Second Semester**

POL 436	Political Theory	3
— —	Approved Elect	3
POL 333	Pol of Govt Fin	3
SSC 423	Senior Project	3
POL 403	Man. of Fed Gov.	<u>3</u>
		<b>15</b>

**Approved Electives**

**Social Sciences**

SSC 320	Coop. Educ. in the Social Sciences	6
SSC 424	Field Experience	3
SSC 420	Field Placement II	3

**Political Science:**

POL 330	International Politics	3
POL 340	Third World Politics	3
POL 331	Politics of Black Americans	3
POL 337	Public Policy	3
POL 448	International Law & Organization	3

**Public Administration**

PAD 302	Management of Urban Government	3
PAD 401	Management of State Government	3
PAD 306	Florida Law & Public Governance	3
POL 338	Administration of Social Services	3

**MINOR IN CRIMINAL JUSTICE**

A minor in Criminal Justice requires a minimum of 18 credits hours in criminal justice courses. Students may choose 18 credit hours from the following courses

CRJ 200	Introduction to Criminal Justice	3
CRJ 301	Criminal Law I	3
CRJ 302	Criminal Law II	3
CRJ 303	Probation and Parole	3
CRJ 305	Causes and Prevention of Delinquency and Crime	3
CRJ 306	Correctional Philosophy and Services	3
CRJ 403	Police Administration	3
CRJ 407	Constitutional Law I	3
CRJ 408	Constitutional Law II	3
CRJ 409	Criminal Evidence and Court Procedure	3

**MINOR IN POLITICAL SCIENCE**

A minor in Political Science requires a minimum of 18 credit hours in political science courses. Students may choose 18 credit hours from the following courses:

POL 301	US Government	3
POL 302	State and Local Government	3
POL 311	Comparative Government	3
POL 333	Politics of Government Finance	3
POL 403	Management of Federal Government	3
POL 407	Constitutional Law I	3
POL 408	Constitutional Law II	3
POL 436	Political Theory	3

**MINOR IN PUBLIC ADMINISTRATION**

A minor in Public Administration requires a minimum of 18 credit hours in public administration courses. Students may choose 18 credit hours from the following courses:

PAD 301	Concepts and Issues in Public Admin	3
PAD 302	Management of Urban Government	3
PAD 303	Principles of Public Planning	3
PAD 304	Public Personnel Administration	3
POL 403	Management of Federal Government	3
POL 407	Constitutional Law I	3
POL 408	Constitutional Law II	3
POL 436	Political Theory	3

*Bachelor of Science in***PSYCHOLOGY****Mission of the Program/Discipline**

The undergraduate program in psychology is a dynamic, integrative, student-centered program that is characterized by both an academic and service orientation. The program, in terms of its academic emphasis, provides students with rigorous academic training as a means of preparing them for graduate careers. In terms of its service orientation, the program is geared towards training students for entry into various occupational areas including mental health, human and social resources, institutional assessment, biological sciences, computer programming and educational services. The mission of the Psychology program then is twofold: 1) to prepare students for entry into the graduate school of their choice and 2) to prepare students for B.A. level employment.

**Program Goals**

The program goals are to ensure that students:

1. Understand the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology
2. Understand on how to apply psychological knowledge in real life settings

3. Understand and apply basic research methods in psychology, including research design, data analysis, and interpretation
4. Learn the ability to use writing as a means of enhancing their knowledge of psychology and in gaining a greater understanding of self and others
5. Understand and apply psychological principles to personal, social and organizational situations
6. Develop skills in information technologies and the ability to use computers and other related technologies for many purposes
7. Develop the ability to communicate effectively in a variety of formats
8. Recognize, understand, and respect the complexity of socio-cultural and international diversity
9. Develop insight into their own and others' behavior and mental processes and apply effective strategies for self-management and self-improvement
10. Emerge from the major with realistic ideas about how to implement their psychological knowledge, skills, and values in occupational pursuits in a variety of settings.

### Program Student Learning Outcomes

Upon completion of the undergraduate degree program in Psychology, students will be able to:

1. Define psychology, distinguish the difference between the various types of psychology and identify major psychologists
2. Design and conduct basic research on psychology related issues and present their research findings in the form of a paper that conforms to APA guidelines
3. Demonstrate effective communication skills both orally and in writing as a means to enhance their knowledge of psychology and presenting their ideas in a manner that conforms to APA guidelines
4. Describe major applied areas of psychology and identify appropriate applications of psychology in solving problems
5. Demonstrate information technology competence and use appropriate software to produce understandable quantitative and qualitative analytical studies of psychological issues in APA format
6. Interact effectively and sensitively with people from diverse backgrounds and cultural perspectives
7. Apply psychological principles to promote personal development and reflect on their experiences and finding meaning in them.

**Graduation Requirements:** This degree program requires at least 122 semester hours for completion.

#### Freshman Year

##### First Semester

ENG 101	Coll Writing I	3
REA 101	Crit Think/Read or	3
ENG 111	First Year Literature	
MAT 110	Intermediate Algebra	3
HIS ____	Afr Amer Hist	3
FMU 101	University 101	3

##### Second Semester

ENG 102	Coll Writing II	3
CSC 101	Intro to Comp	3
MAT 114	Finite Mathematics	3
____	Social Science Req	3
REL 101	Intro. to Religion	3

PED 110	Dim of Wellness	<u>2</u>		
		<b>17</b>		<b>15</b>

**Sophomore Year**

**First Semester**

___ ___	Humanities Req	3		
___ ___	Foreign Lang Req	3		
___ ___	Elective	3		
___ ___	Nat Science Req	3		
PSY 200	Intro to Psy	<u>3</u>		
		<b>15</b>		

**Second Semester**

SOC 200	Intro to Soc	3		
___ ___	Foreign Lang Req	3		
___ ___	Humanities Req	3		
COM 103	Intro Pub Spk	3		
___ ___	Nat Science Req	<u>3</u>		
		<b>15</b>		

**Junior Year**

**First Semester**

PSY 407	Psy of Afri Amer	3		
___ ___	Approved Elect	3		
SSC 300	Research Methods	3		
PSY 312	Intro to Statistics	3		
PSY 308	Personality Theory	<u>3</u>		
		<b>15</b>		

**Second Semester**

PSY 302	Clinical Psy	3		
PSY 306	Develop Psy	3		
PSY 401	Advanced Stat	3		
___ ___	Approved Elect	3		
___ ___	Approved Elect	<u>3</u>		
		<b>15</b>		

**Senior Year**

**First Semester**

PSY 403	Psych of Learn	3		
PSY 406	Social Psychology	3		
PSY 408	Practicum I	3		
___ ___	Approved Elective	3		
___ ___	Approved Elective	<u>3</u>		
		<b>15</b>		

**Second Semester**

PSY 402	Clinical Interview	3		
SOC 305	Group Dynamics	3		
PSY 409	Practicum II	3		
SSC 423	Senior Project	3		
___	Approved Elect	<u>3</u>		
		<b>15</b>		

**Approved Electives**

PSY 300	Foundations of Ind./Org. Psychology	3
PSY 301	Psychopathology	3
PSY 303	Experimental Psychology	3
PSY 310	Community Psychology	3
PSY 316	Psychology of Culture	3
PSY 405	Assessment and Evaluation	3
PSY 451	Minority Mental Health	3
PSY 453	Psychology and Law	3
PSY 454	Theory and Practice of College Mentoring	3
SOC 309	Sociology of Deviance	3
SOC 402	Racial & Cultural Group	3
SOC 403	Marriage & Family	3
SSC 321	Cooperative Education in Social Sciences	6

(Social Sciences course offerings, 300 level or higher, are not required by this major)

*Bachelor of*

## **SOCIAL WORK**

Students majoring in social work learn about the theoretical foundations, practice skills and ethical principles of generalist social work practice. Students study the causes of individual, family and community problems and strategies that have been found to be effective means of preventing and responding to these problems. Students graduating with a degree in social work are qualified to pursue graduate education in social work or a related field, or seek employment with social services, child welfare, criminal justice, mental health, substance abuse, and domestic violence programs, as well as in schools, nursing homes, hospitals, and other human services settings.

### **MISSION OF THE BACHELOR OF SOCIAL WORK PROGRAM**

The mission of the Bachelor in Social Work Program is to prepare competent generalist social workers with practice knowledge, skills, and values to improve the quality of life for individuals, families, groups, communities, and organizations. Graduates of the program will have an understanding of the impact of political, economic, and social inequalities on the well-being of populations-at-risk and a commitment to assume leadership in working to empower at-risk individuals, families, and communities. The curriculum is designed to foster an appreciation of the traditions, values, and strengths of diverse cultures in the global community. The Bachelor in Social Work is committed to encouraging students to pursue advanced graduate level social work education and to pursue lifelong professional development.

### **Program Goals**

#### **The goals of the Bachelor of Social Work Program are:**

1. To prepare graduates for positions as competent generalist social workers with the evidence-informed practical knowledge, skills, and values base needed to improve the quality of life for individuals, families, groups, communities, and organizations in culturally diverse communities in the United States and other countries, and for ongoing professional development
2. To prepare graduates with the ability to understand and critically apply knowledge and skills that reflect the capacity to practice without discrimination with clients who vary in terms of their race, color, ethnicity, gender, sex, sexual orientation, class, age, disability, marital status, family structure, national origin, cultural background, immigration status, and religion
3. To prepare graduates who understand and critically apply evidence-informed theoretical person and environment frameworks of human development and behavior as well as those relevant to interactions among and between individuals, families, groups, organizations, and communities.
4. To prepare graduates to understand the theoretical frameworks that explain the presence and impact of political, social, and economic oppression and discrimination on individuals,

families, groups, communities, and organizations; to appreciate the social work profession's historical commitment to addressing societal inequities; and to demonstrate the knowledge, skills and values needed to assume leadership in influencing social policies and empowering at-risk individuals, families, groups, and communities

5. To prepare graduates to be able to engage in self-reflective, self-critical generalist practice with multiple-level client systems in a range of organizational settings, effectively using professional supervision and consultation

### **Program Student Learning Outcomes:**

Graduating social work students will demonstrate the following learning outcomes/competencies:

1. Identify themselves as professional social workers and conduct themselves accordingly
2. Apply social work ethical principles to guide professional practice
3. Apply critical thinking to inform and communicate professional judgments
4. Engage diversity and difference in practice
5. Advance human rights and social and economic justice
6. Engage in research-informed practice and practice-informed research
7. Apply knowledge of human behavior and the social environment
8. Engage in policy practice to advance social and economic well-being and to deliver effective social work services
9. Respond to contexts that shape practice
10. Engage, assess, intervene, and evaluate with individuals, families, groups, organizations, and communities.

### **Admission to the Bachelor in Social Work Program**

The curriculum for the Bachelor in Social Work major is designed to be fulfilled in approximately two years after completion of the general education program for social work majors required by Florida Memorial University and completion of SOW 300, Introduction to Social Work. Although students may declare social work as a major upon admission to the University, students are not fully admitted into the program until they have submitted a formal application and have been formally accepted into the program. The applicant must demonstrate the characteristics or potential required for competent social work practice as defined in the mission statement of the program and the standards of the profession. The following are the minimum requirements for admission to the program:

1. Completion of a minimum of 45 credit hours with a minimum cumulative grade point average (GPA) of 2.5 on a 4.0 scale
2. Satisfactory completion of SOW 300, Introduction to Social Work with a grade of "C" or higher
3. Attainment of a minimum grade of "C" in all social work courses completed

4. Satisfactory completion of the Social Work Major Application Form, accompanied by a personal essay, a resume as well as two reference letters from faculty with whom the student has completed at least one course, with a completed copy of the Social Work Major Application Reference form attached to each reference letter
5. Satisfactory completion of the Social Work Program Admissions Interview.

The Social Work Admissions Committee reviews applications, conducts an interview with each applicant, and subsequently determines acceptance into the major. Provisional status for admittance into the program may be granted for one academic semester to any student who has not met all the requirements for full admission. Provisional status will be granted at the discretion of the Social Work Admissions Committee.

### **Admission to Field Practicum**

The culmination of the Bachelor in Social Work Program concludes with the Field Practicum. The practicum provides the vehicle for social work students to integrate theory and practice and apply this knowledge while demonstrating professional competencies. The Field Practicum is a year-long experience. The application for the Field Practicum must be completed by the announced deadline one semester prior to the scheduled beginning of the Field Practicum experience. The Field Practicum is completed during the senior year. Before applying for the Field Practicum, students must have successfully completed all required social work courses. Acceptance into the Field Practicum is granted after a student has attended the pre-practicum seminar, has completed the application for a field placement, and has been interviewed by the Coordinator of Field Education. Additionally, to qualify for acceptance into the Field Practicum, students must satisfy the following requirements:

1. Students must have senior standing
2. Students must have an overall cumulative GPA 2.5 or higher
3. Students must have completed the following courses with a minimum overall average of 2.5: SOW 301 Human Behavior and Dynamics, SOW 302 Human Behavior and the Social Environment, SOW 303 Research Methods, SOW 405 Social Policy, SOW 408 Social Work Writing Techniques, and SOW 409 Social Work Practice 1
4. Students must have a minimum grade of "C" in all social work courses
5. Students must complete a nationwide level II criminal record background check. If this background check indicates that a student has a criminal background, the Coordinator of Field Education will meet with the student to discuss which field sites may be amenable to accepting a student with a criminal background and which field sites may be resistant.

Social work majors must obtain a copy of the Field Practicum Manual from the Social Work Program's Coordinator of Field Education for further information about the Field Practicum.



## Graduation Requirements

The student must complete all requirements for the social work major and submit all appropriate materials for graduation with the Registrar. Specifically,

1. Students must complete a minimum of 121 semester hours
2. Students must maintain an overall cumulative G.P.A. of 2.5 or better
3. Students must receive a minimum grade of "C" in each social work course.

This degree program requires a minimum of **121** semester hours for completion. In order to complete the degree in four years, students must either take 15-16 credits a semester or attend at least one summer session.

### Freshman Year

#### First Semester

ENG 101	College Writing I	3
REA 101	Crit Think/Read or	3
ENG 111	First Year Literature	
MAT 110	Intermediate Algebra	3
CSC 101	Intro to Comp	3
FMU 101	University 101	<u>3</u>
		<b>15</b>

#### Second Semester

ENG 102	College Writing II	3
PED 110	Dim of Well	2
MAT 114	Finite Mathematics	3
HIS ____	Afr Amer Hist	3
REL 101	Intro to Religion	<u>3</u>
		<b>14</b>

### Sophomore Year

#### First Semester

PSY 200	Intro to Psy	3
SOC 200	Intro to Soc	3
____	Foreign Lang Req I	3
BIO 101	Biological Sc	3
COM 103	Intro Pub Spkg	<u>3</u>
		<b>15</b>

#### Second Semester

____	Elective	3
____	Humanities req	3
____	For Lang Req II	3
SOW 300	Intro Soc Work	3
____	Nat Science Req	<u>3</u>
		<b>15</b>

### Junior Year

#### First Semester

SOW 301	Hum Behav/Dyn	3
POL 301	US Government	3
PSY 312	Intro to Statistics	3
____	Elective	3
____	Elective	3
____	Elective	<u>3</u>
		<b>18</b>

#### Second Semester

SOW 302	Hum Beh/Soc En	3
SOW 303	Research Met	3
SOW 408	S W Writing Tech	1
SOW 409	Soc Work Prac I	3
____	Elective	<u>3</u>
		<b>13</b>

### Senior Year

#### First Semester

SOW 410	Soc Work Pract II	3
SOW 411	Field Pract/Sem I	6
SOW 405	Social Policy	3
SOW 413	Senior Project SW	<u>3</u>
		<b>15</b>

#### Second Semester

SOW 412	Field Pract/Sem III	6
SOW 414	Soc Work Pract III	3
____	Elective	3
____	Elective	<u>3</u>
		<b>15</b>

*Bachelor of Arts in*  
**SOCIOLOGY**

**Program Mission Statement**

Students majoring in sociology learn concepts, methods, theories and perspectives important to the study of social relationships, social structures, social institutions, and society. This field of study allows students to gain practical as well as theoretical insight into human interaction. Students majoring in sociology are concerned with the study of social life and the causes and consequences of human behavior. Sociology includes the study of each aspect of the self in relationships with others and each aspect of the social world that affects a person's thoughts, actions and deeds.

Students majoring in sociology learn the dynamics of group behavior, the power and potential of community groups, and the implication of marriage and the family. These students must also become familiar with the literature of social problems, such as crime, violence, deviance, racism, and sexism.

Students graduating with a degree in sociology often find employment in social service agencies, law enforcement agencies, treatment centers, and rehabilitation facilities. Sociology majors are encouraged to consider further study at the graduate level.

**Program Goals**

The program goals are to ensure that students:

1. Understand the dominant theories and concepts in the field of Sociology
2. Develop the ability to analyze critically the characteristics and interactions of various social groups comprising the metrics of society
3. Develop an awareness of the subject matter and various analytical perspectives operant in the field
4. Develop proficient oral and written communication skills for effective dissemination of sociological knowledge and information
5. Develop proficiency in conducting scientific research and promulgation of findings in a systematic and logical manner
6. Utilize cutting-edge technology in generating and communicating information and knowledge.

**Program Student Learning Outcomes**

Upon completion of the program, graduates will be able to:

1. Identify the theoretical and conceptual frameworks extant in Sociology and allied disciplines
2. Analyze critically the identities, roles and functions, and behavioral characteristics of social groups and the typifying interactions
3. Articulate orally and in writing an awareness of the conflux of sociological perspectives, phenomena, debates, and controversies that occupy contemporary sociological discourse
4. Conduct and analyze sociological research and be able to disseminate findings in accordance with scientific standards
5. Apply up-to-date technologies in gathering, analyzing and disseminating relevant sociological information and knowledge
6. Discuss and analyze the interactions of cultures in the global system.

**Graduation Requirements:** This degree program requires at least 122 semester hours for completion.

**Freshman Year**

**First Semester**

ENG 101	College Writing I	3
REA 101	Crit Think/Read or	3
ENG 111	First Year Literature	
MAT 110	College Math I	3
HIS ____	Afr Amer Hist	3
FMU 101	University 101	3
PED 110	Dim of Well	<u>2</u>
		<b>17</b>

**Second Semester**

ENG 102	College Writing II	3
CSC 101	Intro to Comp	3
MAT 102	College Math II	3
____	Social Science Req	3
REL 101	Intro to Religion	<u>3</u>
		<b>15</b>

**Sophomore Year**

**First Semester**

____	Humanities Req	3
____	Foreign Lang Req	3
____	Elective	3
____	Nat Science Req	3
PSY 200	Intro to Psy	<u>3</u>
		<b>15</b>

**Second Semester**

SOC 200	Intro to Sociology	3
____	Foreign Lang Req	3
____	Elective	3
COM 103	Intro Pub Spk	3
____	Nat Science Req	<u>3</u>
		<b>15</b>

**Junior Year**

**First Semester**

SOC 303	Social Problems	3
____	Sociology Elective	3
____	Sociology Elective	3
PSY 312	Intro to Statistics	3
SOC 307	Comm Organ	<u>3</u>
		<b>15</b>

**Second Semester**

SSC 300	Research Methods	3
SOC 304	Social Psychology	3
SOC 308	Urban Soc	3
____	Approved Elect	3
PSY 401	Advanced Stat	<u>3</u>
		<b>15</b>

**Senior Year**

**First Semester**

SOC 306	Urban Soc Mov'nt	3
SOC 403	Marriage & Fam	3
SSC 421	Field Placement I	3
____	Approved Elective	3
____	Approved Elective	<u>3</u>
		<b>15</b>

**Second Semester**

SOC 404	Sem Social Theory	3
SOC 309	Soc of Deviance	3
SSC 423	Senior Project	3
SOC 402	Race/Cult Group	3
____	Elective	<u>3</u>
		<b>15</b>

## **APPROVED ELECTIVES**

SOC400	Independent Study	3
SOC405	Survey Research	3
PSY407	Psychology of African Americans	3
SSC 321	Cooperative Edu in the Social Sciences	6
SSC 422	Field Placement II	6
SSC 424	Field Experience	3
SOC 431	Seminar in Drug Abuse	3
SOC 450	Sociology of Religion	3
(Social Sciences course offerings, 300 level or higher, not required by this major)		

## **MINOR IN AFRICAN AMERICAN STUDIES**

An interdisciplinary program in African American Studies is available to students with a significant interest and commitment to serious academic study of African American history and culture. Upon entering the program, a student with a minor in African American Studies shall consult with the Chair of the Department of Social Sciences and plan his/her program of study. This student is required to complete 18 hours for the minor in African American Studies, including HIS 103 African American History I (3), HIS 104 African American History II (3), SOC 406 Contemporary Black America (3), ENG 208 African-American Literature (3) and two electives from the following options:

### **Required Courses:**

HIS 103 African American History I	3
HIS 104 African American History II	3
SOC 406 Contemporary Black America	3
ENG 208 African-American Literature	<u>3</u>
	12

### **Electives**

In addition to the aforementioned core requirements, this minor requires students to choose a minimum of two (2) of the following courses:

HIS 335 Africa in the Modern World	3
HIS 350 History of the Caribbean	3
SOC 408 African American Women in Amer. Society	3
POL 331 Politics of Black Americans	3
PSY 407 Psychology of the African American	3
(Other courses as approved by advisor)	

## **MINOR IN HISTORY**

A program of study in history serves as a sound foundation for students who seek careers in various branches of government work; in teaching, from the public schools to the university level; in regional and local history society work, in museum work, in park administration, in archives and records management, in religion, and in business and industry.

Students seeking a minor in history will complete a minimum of 18 credit hours of history including HIS 300, HIS 321, 324 and 3 credit hours of advanced courses in each of the following: U.S. History, African or Caribbean History, and Non-Western History. All courses are to be

chosen by the student in consultation with a departmental advisor and must be passed with a grade of "C" or higher.

Prospective minors should consult a departmental advisor as early as possible. Students are required to have a graduation interview with their advisors during the final semester of study.

**REQUIRED COURSES**

HIS 101	World Civilization I	3
HIS 200	History of the United States	3
HIS 300	Historical Thought and Writing	3
HIS 430	Selected Topics in History	<u>3</u>
		12

**ELECTIVES**

In addition to the aforementioned core requirements, this minor requires students to choose a minimum of two (2) of the following courses:

HIS 102	World Civilization II	3
HIS 321	U.S. History to 1865	3
HIS 324	U. S. History Since 1865	3
HIS 335	Africa in the Modern World	3
HIS 350	History of the Caribbean	3
HIS 400	History of the Non-Western World	3
SOC 408	African American Women in American Soc.	3
HIS 410	Hist. of Florida and the South	3
HIS 420	Independent Study	3

**Minor in Psychology**

A minor in psychology requires a minimum of 18 credit hours in 300 or higher level psychology courses. Courses toward a minor in psychology are taken above and beyond the course requirements for any major.

**Minor in Social Welfare**

A minor in social welfare which requires a minimum of 18 credit hours in social work and elective courses is designed for students interested in learning about the field of social work and the role of social workers. Students are introduced to the theoretical underpinnings of the social work field, the history of the profession, and the different settings in which social workers practice. Prospective minors should consult with the Coordinator of the Social Work Program as early as possible.

NOTE: Only students majoring in social work are eligible to take social work practice and field practicum courses SOW 409 Social Work Practice I or SOW 410 Social Work Practice II, and SOW 411 and SOW 412.

**Required Courses:**

SOW 300 Introduction to Social Work	3
SOW 301 Human Behavior and Dynamics	3
SOW 302 Human Behavior and the Social Envi.	3
SOW 405 Social Policy	3

**Electives**

In addition to the aforementioned core requirements, this minor requires students to choose a minimum of two (2) electives. Students must select their elective courses in consultation with a member of the social work faculty and their academic advisor. Appropriate electives include the following courses: SOC 402 Racial and Cultural Groups, SOC 403 Marriage and Family, and SOC 305 Group Dynamics, CRJ 200 Intro to Criminal Justice, PSY 301 Psychopathology, PSY 406 or SOC 304 Social Psychology, PSY 407 Psychology of the African American, SOC 303 Social Problems, SOC 309 Sociology of Deviance and SSC 200 Cultural Anthropology.

**Minor in Sociology**

A minor in sociology requires a minimum of 18 credit hours of 300 or higher level sociology courses. Courses toward a minor in sociology are taken above and beyond the course requirements for any major.

## **DEPARTMENT OF VISUAL & PERFORMING ARTS**

The Department of Visual & Performing Arts educates students in the fields of Music, Art, Theatre and Dance. The Department offers the Bachelor of Music and the Bachelor of Arts in Music and in conjunction with the School of Education, the Bachelor of Science in Music Education. Minors in Visual Arts and Music are also offered.

**Mission of the Department of Visual & Performing Arts**

The mission of the Department of Visual and Performing Arts is to transform students into artistic leaders, scholars and entrepreneurs able to use creatively the arts as vehicles for social and economic empowerment for themselves and the global community. The Department embraces the University's mission to inculcate in students the importance of life-long learning, character, and dedication to the free exchange of ideas, and the Department strives to foster a culture of excellence and innovation.

**Goals of the Department**

1. To prepare students for careers in the visual and performing arts
2. To provide experiential learning opportunities for student growth

3. To prepare students for admission to graduate or professional schools
4. To create an active community of students and faculty ready to explore all areas of the visual and performing arts
5. To develop student-involved initiatives to enhance the aesthetic and cultural life of the university family and the community at large.

*Bachelor Degrees in*

## **MUSIC**

The Bachelor of Music and the Bachelor of Arts degrees in Music are offered through the Department of Visual and Performing Arts. The Bachelor of Science degree is offered in Music Education in conjunction with the School of Education (see Bachelor of Science in Music Education). The Music area also offers a minor in Music.

The Bachelor of Music is the initial professional degree in Music. It is offered in either Church Music or Jazz Studies. These programs are designed to place qualified individuals in the profession of music as performers or directors. The curriculum provides for the cultivation of requisite skills, the acquisition of professional knowledge, and the development of aesthetic appreciation with opportunities for research and internships with professional organizations and businesses which will prepare them for numerous employment opportunities and graduate studies.

The Bachelor of Arts degree is a liberal arts degree with a major in music. Students are exposed to a broad program of general education and are allowed to incorporate eighteen elective credits in an area of their choice. This allows students to prepare for graduate studies in or entry into areas such as Music Therapy, Music Business, Technology, and Law. Emphasis is placed upon development of musicianship, performing ability and overall student growth.

Music degree students are required to audition before the music faculty to demonstrate the extent of their music proficiency for placement and potential scholarships. Music scholarship students are required to participate in performances by their ensembles in order to maintain this financial assistance. Applicants entering with extensive musical training, knowledge, and experience will have the opportunity to test out of some of the first and second year music courses. Majors are required to be enrolled in applied instruction on a primary instrument or voice unless an exception is granted by the faculty. Additionally, each student must prepare at least one selection per semester for student recitals or forums.

Students with an interest in Music Business or research may, in lieu of a senior recital, present a significant related project approved by the faculty. Majors must participate in at least one performing ensemble as required by their degree program. These ensembles serve as laboratories for the development of musical skills, knowledge and exposure to method, technique and principles of wellness. This requirement helps students become practiced in actual performance with the best literature in their ensemble medium. Students interested in teaching music should

consult the curriculum for Music Education offered in conjunction with the School of Education. However, since some graduates might want to teach in addition to performing in their chosen profession, they are advised to complete the minimum courses in education that are required for certification.

### **Mission of the Music Program**

The Music Program is designed to assist the University in its mission of dedication to the pursuit of knowledge and truth, free exchange of ideas and the preservation of the history and heritage of music of the African Diaspora. The Music Program accommodates the music needs of the community by preparing students to teach in the educational systems, direct music programs for churches, and other organizations, direct musical ensembles, conduct, arrange, and orchestrate music for bands, choirs, film, and television; perform all types of music; and enroll in graduate programs in music. The Program is also designed to provide students with opportunities to represent the University by participating in activities on campus, in the community, and for the state, national and international audiences.

### **Objectives of the Music Program are to:**

1. Accommodate the music needs of the community
2. Prepare students to teach in the educational system
3. Prepare students to direct music programs for churches and other organizations
4. Prepare students to direct/conduct music ensembles
5. Prepare students to arrange, orchestrate and/or compose music for bands, orchestras, choirs, film and television
6. Prepare students to perform all styles of music
7. Prepare students to enroll in graduate programs in music
8. Give students performing opportunities on campus, in the community, and on the state, national and international level
9. Provide students the opportunity to learn music skills
10. Allow the interaction of students from traditional and nontraditional backgrounds.

### **Music Program Student Learning Objectives:**

1. Students will have a general knowledge of music history. Students will be able to identify style periods and possible composers (in writing and orally) of Western music from the Medieval through the beginning of the 21st century. Students will be able to identify historical trends and genres from the African tradition as well as significant styles of jazz, pop and religious music. Students will be able to identify cultural and historical forces that shaped music and be able to communicate these ideas in oral and written form.
2. Students will have the ability to hear and recognize elements of melody, rhythm, harmony, structure and form.
3. Students will have the ability to sight-sing/read



4. Students will have the ability to work with the latest music technologies and the ability to apply this knowledge in their field.
5. Students will have basic keyboard competency (by the end of MUS 104 Class Piano II).
6. Students will demonstrate ability in their major instrument or voice by successfully completing a final performance recital (with the exception of those pursuing the Music Education and the Bachelor of Arts in Music degrees)

## *Bachelor of Music in* **CHURCH MUSIC**

### **Graduation Requirements**

This degree program requires a minimum of 121 semester hours for completion and is designed primarily for students desirous of becoming directors of music for churches or pursuing graduate studies.

### **Student Learning Objectives**

Graduates will

- be able to accompany a congregational hymn
- be able to make distinguish between gospel (worship) music and contemporary Christian Music
- perform a full recital in their senior year.

#### **Freshman Year**

##### First Semester

ENG 101	College Writing I	3
MAT 110	Intermediate Algebra	3
FMU 101	University 101*	3
MUS 101	Struct Music I**	3
MUS ____	Applied Maj Inst	2
MUS ____	Req Ensemble ****	1
MUS300	Music Sem/Rec.	0

**15**

##### Second Semester

ENG 102	College Writing II	3
MAT 111	College Algebra	3
REA 101	Critical Think/Read or	
ENG 111	First Year Lit	3
MUS 102	Struct of Mus II	3
MUS ____	App Major Instr. ***	2
MUS ____	Req. Ensemble	1
MUS300	Music Sem/Rec	0

**15**

#### **Sophomore Year**

##### First Semester

REL 101	Intro to Religion	3
MUS 209	Hist of Music I	3
MUS 201	Struct of Music III	3
MUS 111	Sig Sing/Ear Tr I	2
MUS ____	App Major Instr.	2
MUS 103	Class Piano I	1
MUS ____	Req Ensemble	1
MUS 300	Music Sem/Rec	0

**15**

##### Second Semester

MU b 311	Comp and Music	3
MUS 210	Hist of Music II	3
MUS 203	Struct Music IV	3
MUS 112	Sig Sing/Ear II	2
MUS ____	Applied Maj Inst	2
MUS 104	Class Piano II	1
MUS ____	Req Ensemble	1
MUS 300	Music Sem/Rec	0

**15**

**Junior Year**

**First Semester**

COM 103	Intro Pub Speak	3
_____	Hum Elect	3
MUS 306	Spirit&Hyms	3
MUS 221	History III	3
MUS _____	App Major Instr	2
MUS _____	Req Ensemble	1
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

**Second Semester**

PSY 200	Intro to Psych	3
MUS 312	Conducting	3
MUS 307	Spirit Line Hy	3
MUS 453	Intro to Church	3
MUS _____	App Maj Inst	2
MUS _____	Req Ensemble	1
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

**Senior Year**

**First Semester**

ENV 101	Intro to Env Science	3
MUB 301	Intro to Music Bus	3
MUS 302	Comp/Arran Vocal	3
REL 353	Church Leadership	3
MUS _____	Applied Major Instr	2
MUS _____	Required Ensemble	1
MUS 300	Music Sem/Recitals	<u>0</u>
		<b>15</b>

**Second Semester**

_____	Nat Science Req	3
MUS 492	Emotion & Mus	3
MUS 493/4	Major Ap Res	3
MUS _____	Appr Church Mus	3
MUS _____	App Major Instr.	2
MUS _____	Req Ensemble	1
MUS 487	App Music Rec	<u>1</u>
		<b>16</b>

\*Students over 25 exempt

\*\* Must pass placement test or take MUS 100

\*\*\*Select from (a) VOCAL: MUS 131, 132, 231, 232 331,332, 431, & 432; (b) KEYBOARD: MUS 131, 137, 233,234 333,

334, 433, & 434; (c) BRASSWIND: MUS 135, 136, 235, 236 335, 336, 435, & 436; (d) WOODWIND: MUS 145, 146, 245,

246,348, 350, 447, & 449; (e) STRINGS: MUS 155, 156, 255, 256,355, 356, 455, & 456; (f) PERCUSSION: MUS 165, 166,

265, 266 365, 366, 465, & 466; (g) STEEL: MUS 168,169, 268, 269, 368, 369, 468, & 469.

\*\*\*\*Select from (a) CHOIR: MUS 141, 142, 241, 242, 341, 342, 441, & 442; (B)BAND/ORCHESTRA: MUS 131, 162,

261,262,361,362,461, & 462; (c) JAZZ ENSEMBLE: MUS 171, 173, 271, 273, 371, 372, 471, & 472; (d) POP ENSEMBLE:

MUS 180, 182, 281, 282, 381, 382, 481, & 482; (e) STEEL ENSEMBLE: MUS 185, 186, 285, 286, 385, 386, 485, & 486; (f)

MUSIC PRODUCTION WORKSHOP: MUS 196, 197, 296, 297, 396, 397, 496, & 497.

\*\*\*\*\*Mandatory for all Music majors

~Select from available courses with permission of advisor

## Bachelor of Music in JAZZ STUDIES

### Graduation Requirements

This degree program requires a minimum of 121 semester hours for completion and is designed primarily for students who wish to continue as professional jazz musicians or to pursue graduate studies.

### Student Learning Objectives

Graduates will

- be able to identify jazz styles of various genres
- be able to analyze chord progressions as related to jazz style and music.
- perform a full recital in their senior year.

#### Freshman Year

##### First Semester

ENG 101	College Writing I	3
MAT 110	Intermediate Algebra	3
FMU 101	University 101*	3
MUS 101	Struct of Music I**	3
MUS ____	App Major Instr. ***	2
MUS ____	Req Ensemble ****	1
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

##### Second Semester

ENG 102	Coll Writing II	3
MAT 111	College Algebra	3
REA 101	Crit Think/Reading or	3
ENG 111	First Year Lit	
MUS 102	Struct of Mus II	3
MUS ____	App Major Instr.	2
MUS ____	Req Ensemble	1
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

#### Sophomore Year

##### First Semester

REL 101	Intro to Religion	3
MUS 209	Hist of Music I	3
MUS 201	Struct of Music III	3
MUS 111	Sig Sing/Ear Tr I	2
MUS ____	App Major Instr	2
MUS 103	Class Piano I	1
MUS ____	Req Ensemble	1
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

##### Second Semester

MUB 311	Comp and Mus	3
MUS 210	Hist of Music II	3
MUS 203	Struct of Mus IV	3
MUS 112	Sig Sg/Ear Tr II	2
MUS ____	App Major Inst	2
MUS 104	Class Piano II	1
MUS ____	Req Ensemble	1
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

#### Junior Year

##### First Semester

COM 103	Intro Pub Speak	3
____	Humanities Elect	3
MUS 207	Jazz Imp & Ar I	3
MUS 221	Hist of Music III	3
MUS ____	App Major Instr	2
MUS ____	Req Ensemble	1
MUS 300	Music Sem/Rec	<u>0</u>

##### Second Semester

PSY 200	Intro to Psycho	3
MUS 312	Conducting	3
MUS 208	Jazz Imp Ar II	3
MUS 364	History of Jazz	3
MUS ____	App Maj Inst	2
MUS ____	Req Ensemble	1
MUS 300	Music Sem/Rec	<u>0</u>

15			15		
Senior Year					
<u>First Semester</u>			<u>Second Semester</u>		
ENV 101	Intro Envi Scie	3	___	Natural Science Req	3
MUB 301	Intro Music Bus	3	MUS 311	Big Band Arrang	3
MUS 315	Small EnsArrang	3	MUS 493/4	Maj App Res	3
MUS ___	Jazz Studies Elec	3	MUS___	Appr Jazz Studies	3
MUS ___	App Major Instr.	2	MUS___	Applied Maj Inst	2
MUS ___	Req Ensemble	1	MUS ___	Req Ensemble	1
MUS 300	Music Sem/Rec	<u>0</u>	MUS 300	Music Sem/Rec	<u>1</u>
15			16		

\*Students over 25 exempt

\*\* Must pass placement test or take MUS 100

\*\*\*Select from (a)VOCAL: MUS 131, 132, 231, 232 331,332, 431, & 432; (b) KEYBOARD: MUS 131, 137, 233,234 333, 334, 433, & 434; (c) BRASSWIND: MUS 135, 136, 235, 236 335, 336, 435, & 436; (d) WOODWIND: MUS 145, 146, 245, 246,348, 350, 447, & 449; (e) STRINGS: MUS 155, 156, 255, 256,355, 356, 455, & 456; (f) PERCUSSION: MUS 165, 166, 265, 266 365, 366, 465, & 466; (g) STEEL: MUS 168,169, 268, 269, 368, 369, 468, & 469.

\*\*\*\*Select from (a) CHOIR: MUS 141, 142, 241, 242, 341, 342, 441, & 442; (B)BAND/ORCHESTRA: MUS 131, 162, 261,262,361,362,461, & 462; (c) JAZZ ENSEMBLE: MUS 171, 173, 271, 273, 371, 372, 471, & 472; (d) POP ENSEMBLE: MUS 180, 182, 281, 282, 381, 382, 481, & 482; (e) STEEL ENSEMBLE: MUS 185, 186, 285, 286, 385, 386, 485, & 486; (f) MUSIC

## Bachelor of Arts in

## MUSIC

### Graduation Requirements

This degree program requires a minimum of 121 semester hours for completion and is designed for students who wish to pursue graduate studies or careers in musical theater, music therapy, the recording industry management, or music business. Students take 18 elective credits in a minor area of their choice. Students should check with the respective departments on minor requirements in their chosen field of study.

### Student Learning Objectives

Graduates will

- demonstrate a general knowledge of music history
- demonstrate the ability to recognize elements of melody, rhythm, harmony, structure and form in both aural and written form
- demonstrate the ability to sight-sing and to sight-read
- demonstrate the ability to work with the latest music technologies and to apply this knowledge in their field
- demonstrate basic keyboard competency
- complete a final performance recital demonstrating an acceptable level of proficiency with their major instrument or voice.

**Freshman Year**

**First Semester**

ENG 101	College Writing I	3
MAT 110	Intermediate Algebra	3
FMU 101	University 101*	3
MUS 101	Struct of Music I**	3
MUS ____	App Major Instr. ***	2
MUS ____	Req Ensemble ****	1
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

**Second Semester**

ENG 102	College Writing II	3
MAT 111	College Algebra	3
REA 101	Crit Think/Reading or	3
ENG 111	First Year Lit.	
MUS 102	Struct Mus II	3
MUS ____	App Major Instr.	2
MUS ____	Req Ensemble	1
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

**Sophomore Year**

**First Semester**

REL 101	Intro to Religion	3
MUS 209	History of Music I	3
MUS 201	Struct of Music III	3
MUS 111	Sig Sing/Ear Tr I	2
MUS ____	App Major Instr.	2
MUS 103	Class Piano I	1
MUS ____	Required Ensemble	1
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

**Second Semester**

MUB 311	Comp & Music	3
MUS 210	Hist of Music II	3
MUS 203	Sturc of Mus IV	3
MUS 112	Sig Sing/Ear Tr I	2
MUS ____	App Major Instr.	2
MUS 104	Class Piano II	1
MUS ____	Req Ensemble	1
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

**Junior Year**

**First Semester**

COM 103	Intro to Pub Speak	3
— ____	Humanities Req	3
— ____	Foreign Lang Req I	3
MUS 221	Hist of Music III	3
MUS ____	App Major Instr.	2
MUS ____	Ensemble Elective	1
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

**Second Semester**

PSY 200	Intro to Psy	3
MUS 312	Conducting	3
— ____	Foreign Lang II	3
MUS 370	Hist of Pop Mus	3
— ____	Second Area Elect	3
MUS ____	Ensemble Elective	1
MUS 300	Music Sem/Rec	<u>0</u>
		<b>16</b>

**Senior Year**

**First Semester**

ENV 101	Intro to Env Sci	3
MUB 301	Intro Music Bus	3
— ____	Second Area Elective	3
— ____	Second Area Elective	3
— ____	Second Area Elective	3
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

**Second Semester**

— ____	Nat Science Req	3
— ____	Second Area Elect	3
MUS 493/4	Maj App Res	3
MUS ____	Appr Pop Mus	3
— ____	Second Area Elect	3
MUS 300	Music Sem/Rec	<u>0</u>
		<b>15</b>

\*Students over 25 exempt

\*\* Must pass placement test or take MUS 100

\*\*\*Select from (a) VOCAL: MUS 131, 132, 231, 232 331,332, 431, & 432; (b) KEYBOARD: MUS 131, 137,

233,234 333, 334, 433, & 434; (c) BRASSWIND: MUS 135, 136, 235, 236 335, 336, 435, & 436; (d) WOODWIND:

MUS 145, 146, 245, 246,348, 350, 447, & 449; (e) STRINGS: MUS 155, 156, 255, 256,355, 356, 455, & 456; (f) PERCUSSION: MUS 165, 166, 265, 266 365, 366, 465, & 466; (g) STEEL: MUS 168,169,

268, 269, 368, 369, 468, & 469.

\*\*\*\*Select from (a) CHOIR: MUS 141, 142, 241, 242, 341, 342, 441, & 442; (B)BAND/ORCHESTRA: MUS 131, 162, 261,262,361,362,461, & 462; (c) JAZZ ENSEMBLE: MUS 171, 173, 271, 273, 371, 372, 471,

& 472; (d) POP ENSEMBLE: MUS 180, 182, 281, 282, 381, 382, 481, & 482; (e) STEEL ENSEMBLE: MUS 185, 186, 285, 286, 385, 386, 485, & 486; (f) MUSIC PRODUCTION WORKSHOP: MUS 196, 197,

296, 297, 396, 397, 496, & 497.

\*\*\*\*\*Mandatory for all Music majors

## Minor in Music

The minor in music requires at least 18 credits from the following categories:

### THEORY/COMPOSITION/ARRANGING (six credits)

MUS 100 Fundamentals of Music	3
MUS 101 Structures of Music I	3
MUS 102 Structures of Music II	3
MUS 201 Structures of Music III	3
MUS 203 Structures of Music IV	3
MUS 207 Jazz Improvisation & Arranging I	3
MUS 208 Jazz Improvisation & Arranging II	3
MUS 302 Composition & Arranging for Vocal	3
MUS 315 Small Ensemble Arranging	3
MUS 394 Jazz Improvisation & Arranging	3

### HISTORY (three credits)

MUS 200 Music Appreciation	3
MUS 209 History of Music I - Western Music	3
MUS 210 History of Music II-African Diaspora	3
MUS 221 History of Music III-World Music	3
MUS 364 History of Jazz	3
MUS 370 History of Popular Music	3
MUS 444 Steel Pan Making & Tuning	3
MUS 453 Introduction to Church Music	3

### Music Elective (three credits)

Students may choose any MUS course or combination of MUS courses with the permission of faculty and/or once the necessary prerequisites are satisfied

### APPLIED PRINCIPAL (four credits)

ONE CREDIT: Select from (a)VOCAL : MUS 113; (b) KEYBOARD: MUS 113 (c) BRASSWIND: MUS 131, (d) WOODWIND: MUS 113; (e) STRINGS: MUS 113; (f) PERCUSSION: MUS 113; (g) STEEL: MUS 300

**TWO CREDITS:** Select from (a) VOCAL: MUS MUS 131, 132, 231, 232, 331,332, 431, & 432; (b) KEYBOARD: MUS 131, 137, 233,234 333, 334, 433, & 434; (c) BRASSWIND: MUS 135, 136, 235,236 335, 336, 435, & 436; (d) WOODWIND: 145, 146, 245, 246 348, 350, 447, & 449; (e) STRINGS: MUS 155, 156, 255, 256 355, 356, 455, & 456; (f) PERCUSSION: MUS 165, 166, 265, 266 365, 366, 465, & 466; (g) STEEL: MUS 168,169, 268, 269. 368, 369, 468, & 469.

**ENSEMBLE (two credits)**

Select from (a) CHOIR: MUS 141, 142, 241, 242, 341, 342, 441, & 442; (B)BAND/ORCHESTRA: MUS 131, 162, 261,262,361,362,461, & 462; (c) JAZZ ENSEMBLE: MUS 171, 173, 271, 273, 371, 372, 471, & 472; (d) POP ENSEMBLE: MUS 181, 182, 281, 282, 381, 382, 481, & 482; (e) STEEL ENSEMBLE: MUS 185, 186, 285, 286, 385, 386, 485, & 486; (f) MUSIC PRODUCTION WORKSHOP: MUS 196, 197, 296, 297, 396, 397, 496, & 497.

**Elective Studies in Music**

Students pursuing the Bachelor of Arts in Music degree may undertake elective studies in Music Business, Music Technology, Church Music, Jazz Studies, Vocal, or Instrumental Music. Students should check with their advisors for the suggested courses in each of these areas.

**Elective Studies in Music Business**

These courses serve as a foundation for careers in the music industry and or the pursuit of graduate studies. This area requires 18 credits in addition to MUB 301- Introduction to Music Business and MUB 311- Computers and Music.

**CORE REQUIREMENTS (12 Credits)**

ACC 211 Principles of Accounting 3 BUS 211 Principles of Management 3  
ECO 201 Principles of Macroeconomics 3 or ECO 202 Principles of Microeconomics 3  
FIN 301 Business Finance 3

**ELECTIVES (6 Credits chosen from the following course)**

MUB 331 Copyright & Publishing 3 or BUS 311 Business Law 3  
BUS 320 Business Statistics 3 MAR 301 Principles of Marketing 3  
BUS 400 Entrepreneurship 3

**Minor in Visual Arts**

A Visual Arts minor provides for the study of art. The minor is planned by students and their academic Visual Arts advisor to include a minimum of 18 credit hours of art courses. The planned minor will consist of 6 credit hours in Art History to be taken from among the following courses: ART 101, ART 104, ARH 320, and a minimum of 12 credit hours of Art Studio courses to be taken from among the following courses: ART 121, ART 131, ART 231, ART 241, ART 341. Students with extensive art training may be advised to consider the upper level studio art courses: ART 221, ART 321, ART 331, ART 421.

**CORE REQUIREMENTS**

*6 credit hours of art history*

ART 101 Art History 3  
ART 104 Modern Art 3

*15 credit hours of studio art*

ART 121 Beginning Design	3
ART 131 Drawing I	3
ART 231 Painting I	3
ART 241 Printmaking I	3
ART 341 Sculpture	3

#### **SUPPLEMENTAL COURSE OFFERINGS**

*18 credit hours of supplemental art courses*

ART 103 African American Art	3
ART 221 Graphic Design I	3
ART 321 Commercial Art	3
ART 331 Mural Painting	3
ART 421 Illustration	3

*Bachelor of Arts in*

## **INTERDISCIPLINARY STUDIES**

The Bachelor of Arts in Interdisciplinary Studies is designed for working adults. This degree provides students with several options and includes courses that span across disciplines. This program not only addresses career interests and goals but also personal interests and prior pursuits that the students may have experienced.

Students who benefit from a program with cross-discipline options are those that are working professionals who need a degree for career advancement or as a means to capture prior coursework in a program earned at other institutions of higher education.

To be accepted into the Interdisciplinary Studies program students must:

- Be working adults
- Apply to the dean, School of Arts and Sciences
- Submit a written statement of goals for the interdisciplinary studies program and
- Select a track within a discipline for area of focus.

The application will be reviewed by an Interdisciplinary Program Committee, which will make recommendation upon approval to the dean. The Interdisciplinary Studies program requirement will be approved by an Interdisciplinary Program Committee. The degree plan consists of:

Core Curriculum	50 credits
Business Required Core Courses	12 credits
Humanities Required Core Courses	9 credits
Social Sciences	12 credits
Senior Project	3 credits
<u>Elected Discipline Track</u>	<u>36 credits</u>
<b>Total Credits for Degree Completion</b>	<b>122 credits</b>



**Year One**

<b><u>Courses #</u></b>	<b><u>Course Title</u></b>	<b><u>Credits</u></b>
ENG 101	College Writing I	3
MAT 110	Intermediate Algebra	3
REA 101	Critical Thinking and Reading OR	3
ENG 111	First Year Literature	3
REL 101	Intro. To Religion	3
ENG 102	College Writing II	3
MAT 111	College Algebra	3
— —	Natural Science Req.	3
CSC 101	Intro. To Computers	3
PED 110	Dimension of Wellness	2
<b>Total Credits</b>		<b>26</b>

**Year Two**

<b><u>Courses #</u></b>	<b><u>Course Title</u></b>	<b><u>Credits</u></b>
COM 103	Intro to Public Speaking	3
— —	Humanities Req.	3
HIS 103	African American Hist. I or II	3
— —	Foreign Language I	3
— —	Natural Science Req.	3
— —	Social Science Req.	3
— —	History/Government Req.	3
— —	Foreign Language II	3
BUS 211	Intro to Management	3
— —	Elected Track A, B, or C	3
<b>Total Credits</b>		<b>30</b>

**Year Three**

<b><u>Courses #</u></b>	<b><u>Course Title</u></b>	<b><u>Credits</u></b>
HRM 350	Human Resource Mgmt.	3
COM 306	Business & Prof. Speaking	3
PAD 301	Con & Iss in Pub Admin	3
ENG 309	Adv. Grammar & Com	3
POL 338	Admin of Social Services	3
BUS 344	Business Org & Mgmt	3
— —	Elected Track A, B, C	3
BUS 394	Business Ethic & Society	3
PAD 302	Management of Urban Govt.	3
SSC 300	Research Methods	3
— —	Elected Track A, B, or C	3
<b>Total Credits</b>		<b>36</b>

## Year Four

<u>Courses #</u>	<u>Course Title</u>	<u>Credits</u>
COM 308	Voice & Diction	3
___ ___	Elected Track A, B, or C	3
___ ___	Elected Track A, B, or C	3
___ ___	Elected Track A, B, or C	3
___ ___	Elected Track A, B, or C	3
___ ___	Elected Track A, B, or C	3
___ ___	Elected Track A, B, or C	3
___ ___	Elected Track A, B, or C	3
___ ___	Elected Track A, B, or C	3
___ ___	Senior Project*	3
<b>Total Credits</b>		<b>30</b>

Senior Project must coincide with the student's declared discipline track.

● Track A – Bus 498      ● Track B- Eng 495, REL 405, MUS 493      ● Track C – SSC 423

### **Elected Discipline Tracks**

#### **Business Track (A)**

*Choose (1) Discipline*

*Senior Project: BUS 498\**

ACC 211	Principles of Accounting 1	BUS 355	Principles of Real Estate
ACC 212	Principles of Accounting II	BUS 450	Business Internship & Seminar
BUS 311	Business Law I	BUS 403	Strategic Management
BUS 312	Business Law II	BUS 487	Business Seminar
BUS 345	Business Comm. & Tech. Writing	FIN 301	Business Finance
BUS 353	Principles of Insurance	MAR 301	Principles of Marketing

\*Students that elect the Business Track, are required to meet prerequisite courses in order to be eligible to enroll in **BUS 498 Senior Project**: **MAR 301**-Principles of Marketing, **ACC 211**-Principles of Accounting I, **ACC 212**-Principles of Accounting II, **FIN 301**-Business Finance, and **BUS 403** – Strategic Management

#### **Humanities**

*Choose (1) Discipline*

*Senior Project: Track B- Eng 495, REL 405, MUS 493*

### **Languages, Literature & Composition**

ENG 300-465	English Literature & Composition	FRE 301- 448	French Literature & Composition
SPA 301- 407	Spanish Literature & Composition	COM 407	Grant Writing

### **Music**

MUB 301	Intro to Music Business	MUB 311	Computers and Music	MUS 302 – MUS 499
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## **Religion**

REL 302	Survey of the Testament	REL 310	The Psalms	REL 313	Life & Letters of Paul
REL 322	Christian History	REL 324	Intertestamental Period	REL 351	Pastoral Ministry
REL 353	Church Leadership	REL 401	Christian Education	REL 431	Bible Ethics
REL 432	Christian Ethics	REL 434	Life of Christ	REL 405	Internship I
REL 406	Internship II	REL 420	Internship in Religion Educ.		

## **Social Sciences (TRACK C)**

*Choose minimum of two courses from each discipline*

*Senior Project: SSC 423\**

\*Students that elect the Social Sciences Track, are required to meet prerequisite courses in order to be eligible to enroll in **SSC 423 Senior Project: SSC 300-Research Methods, PSY 312/SSC 302-Intro to Statistics and ENG 309 – Advanced Grammar and Composition.**

## **Criminal Justice**

CRJ306	Probation & Parole	CRJ 304	Causes & Pre of Delinquency
CRJ 305	Confinement Facilities	CRJ 306	Correctional Philosophy & Services
CRJ 403	Police Administration	CRJ 405	Law Enforcement
CRJ 406	Senior Seminar	CRJ 421	Field Placement I
CRJ 422	Field Placement II		

## **Public Administration/Political Science**

PAD 301	Concepts & Issues of Pub Administration	PAD 302	Mgmt of Urban Government
PAD 303	Principles of Public Planning	PAD 305	FL Law & Public Governance
PAD 306	Administrative Behavior	PAD 401	Mgmt of State Government
POL 302	State and Local Government	POL 333	Politics of Governmental Finance
POL 334	Public Personnel Administration	POL 403	Mgmt of Federal Government

## **Sociology**

SOC 303	Social Problems	SOC 305	Group Dynamics
SOC 307	Community Organization	SOC 309	Sociology of Deviance
SOC 402	Racial and Cultural Groups	SOC 403	Marriage and Family
SOC 431	Seminar in Drug Abuse	SSC 419	Field Placement I
SSC 420	Field Placement II		

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## **SCHOOL OF BUSINESS**

Florida Memorial University, through its School of Business, is accredited by the Association of Collegiate Business Schools and Programs to offer the following business degrees:

- The Bachelor of Science in Accounting
- The Bachelor of Science in Business Administration
- The Bachelor of Science in Finance
- The Bachelor of Science in Marketing

Students can also participate in a Dual Hospitality Management program with Florida International University.

The objective of the Florida Memorial University/Florida International University (FIU) Hospitality Management Program is to provide students the opportunity to obtain the Bachelor of Science Degree in Business Administration from Florida Memorial and the Bachelor of Science or the Master of Science Degree in Hospitality Management from FIU.

Minors are also offered in Business Administration, Finance, and Marketing. Eighteen additional credit hours with a grade of "C" or better are required beyond core courses for a minor. Students should consult with the Dean as soon as the decision to pursue a minor has been made. An agreement about specific courses to satisfy the minor requirements must be made during the application process. Students selecting a minor must adhere to the same entrance requirements as they would for a major. Students selecting a major or minor in the area need to have a strong background in mathematics.

The School offers opportunities to students to enhance their studies through professional experiences.

### **School Mission Statement**

The essential aspects of the University's Institutional Statement of Purpose drive the mission of the School of Business that is formulated in the mission and goals for each degree-granting program.

### **GOALS OF THE SCHOOL**

1. To develop in students an awareness and understanding of the role of business and economics in our society

2. To assist students in acquiring the ability to use business and economic analysis as a major tool in making independent, well considered judgments on important public issues
3. To provide specialized training for students who wish to pursue careers as managers and owners of business enterprises
4. To provide a fundamental background in the areas of business and economics theories for students who wish to pursue advanced study
5. To perform research and disseminate knowledge for the advancement of techniques in the conduct of business affairs
6. To focus on programs which inspire greater entrepreneurial activities and contribution to the business and economic life of the community, state, and nation
7. To continually re-examine the curriculum to see if it conforms to current needs of business and industry
8. To enhance students' critical thinking and effective communication capabilities
9. To provide students with the opportunity for cooperative education, internship experience, and professional development
10. To analyze components of international business, including international trade and investment, foreign exchange, financial markets, and political and cultural interactions between multinational organizations and host countries.

#### **GRADUATION REQUIREMENTS**

1. Complete a minimum of 122 semester hours with a minimum cumulative G.P.A. of at least 2.00.
2. Meet all Florida Memorial University course requirements in the area of specialization.
3. Receive grade of "C" or better in all School of Business Administration courses.
4. Successfully complete BUS 498 Senior Project in Business, or other designated Senior Project courses.

#### **DUAL-HOSPITALITY MANAGEMENT PROGRAM**

This program establishes a cooperative Hospitality Management agreement between Florida Memorial University and Florida International University. The resources of each institution are utilized to form a Dual Degree program of study to increase the number of hospitality industry professionals. The Dual-Hospitality Management degrees will be awarded only upon the successful fulfillment and completion of prescribed admission and course requirements at both institutions.

**THE OBJECTIVES OF THE PROGRAM ARE AS FOLLOWS:**

The objectives of the Florida Memorial University/Florida International University Hospitality program are:

1. To provide students with the best of two college worlds
2. To provide avenues of study in hospitality management
3. To provide opportunity for graduate school
4. To increase the participation of minorities in the hospitality industry.

**PROGRAM OF STUDY**

The objective of the FMU/FIU Hospitality Management Program is to provide students the opportunity to obtain within approximately four to six years, the Bachelor of Science Degree in Business Administration from Florida Memorial University and the Bachelor or Master of Science Degree in Hospitality Management from FIU.

Dual Degree students will be required to complete a three-year study program for a minimum of 98 semester hours at Florida Memorial University. Contingent upon satisfactory completion of Florida Memorial University requirements, students will be admitted as a full-time Hospitality Management student at FIU with completed junior standing and accepted as a senior. Upon admission to FIU, students are given three options from which to choose. These options are

Option One: Students will complete a one-year/24 credit hours program at FIU. Upon successful completion of the first 24 semester hours at FIU, students will receive a Bachelor of Science degree in Business Administration from Florida Memorial University. After completion of Option One, students may select Option Two or Three.

Option Two: Upon successful completion of the FIU Bachelor's degree program requirements, students will receive a Bachelor of Science degree in Hospitality Management. All general education requirements must be met, the CLAS exam must be passed and the minimum hospitality-related work hours must be documented in order to receive the FIU Bachelor's degree. (Upon successful completion of the first 24 semesters at FIU, students will receive a Bachelor of Science degree in Business Administration from Florida Memorial University).

Option Three: Upon successful completion of the Bachelor of Science degree in Business Administration from Florida Memorial University, students are eligible to apply for admission to the graduate program in the FIU School of Hospitality Management. To be admitted, students must have maintained a "B" average in all upper-level work and attained a minimum GRE score of 1000 (verbal + quantitative sections only) or a GMAT score of 500. Upon successful completion of the master's degree program requirements, students will receive the Master of Science degree in Hospitality Management or Master of Science degree in Tourism

Studies, depending on which program they choose. (Students choosing the Tourism Studies degree will have additional prerequisite courses to complete).

## TRANSFER

Florida Memorial University students transferring to FIU must complete the State University System application for admission. In addition, official transcripts from Florida Memorial University and any other institutions attended must be submitted.

International students must provide appropriate financial documents in order to receive the Certificate of Student Visa Eligibility (I-20 Form). Students should contact the Office of Admissions at FIU regarding the amount of money which must be documented.

## REQUIREMENTS

Admission Requirements to the Florida Memorial/FIU Dual Degree Program:

1. Must have Florida Memorial University approval
2. Must be in good standing at Florida Memorial University
3. Must meet Florida Memorial School of Business requirements for admission to the upper-level
4. Must have expressed a desire to major in hospitality management

Transfer Requirements from the FMU/FIU Dual Degree Program to FIU:

1. Must have a cumulative GPA of no less than 2.5
2. Must have completed a minimum of 98 transferable semester hours
3. The following course credits must be included in the 98 semester hours accumulated at Florida Memorial University. These course credits represent the new CORE Curriculum FIU will adopt beginning Fall 2003.

The following FIU courses have been currently approved for the CORE.

<u>Course</u>	<u>Semester Credit</u>	<u>Florida Memorial University</u>
English Composition*	6	ENG 101; ENG 102
Humanities or Literature and	3	REL 101 + ENG 309
History w/ Writing	3	HIS 200
Foreign Language **	6-10	LANGUAGE I, II or **
Social Science	6	ECO 201 or 202 SSC 101 or 102
Life Science	3	BIO 101
Physical Science	3	PSC 101
Math * (College Algebra or Higher)	3	MAT 102
Statistics (or Higher Level of Math)	3	BUS 320
Art	3	MUS 200

\* Grade of "C" or better is required.

\*\* Two years of same language in high school or two semesters in college will satisfy the FIU foreign language requirement.

## **FINANCIAL AID**

Students who need financial aid while in the program at Florida Memorial University must apply to the designated official at Florida Memorial University. Students seeking financial aid at FIU must apply through FIU's Financial Aid Office. **Priority Deadline to Apply is March 1<sup>st</sup>.**

FIU agrees to provide four Scholarships or Non-Resident Tuition Waivers for African-American Florida Memorial University students who are admitted to the Hospitality Management program. Scholarship recipients must be a U.S. citizen or U.S. resident. Non-resident Tuition Waivers are available for Non-Florida residents and foreign students. The Scholarships and Tuition Waivers are competitive and amount to \$1500 per student annually.

## *Bachelor of Science in*

## **ACCOUNTING**

### **Mission of the Accounting Program**

The mission of the Accounting program is to prepare students for professional careers in public accounting, private industry accounting, and governmental accounting. The program also prepares students for graduate schools and programs.

The goals of the program are as follows:

1. To help students achieve a level of accounting knowledge and critical thinking skills appropriate for accounting professionals
2. To help students achieve a minimum level of effective communication skills appropriate for accounting professionals
3. To assist students in acquiring the ability to use technology in making professional business decisions and presentations
4. To provide qualified accounting graduates to the public, private, and governmental sectors
5. To provide a fundamental background in the area of accounting theories for students who wish to pursue advanced study
6. To promote research and dissemination of knowledge of developments in the accounting profession
7. To encourage student interaction with the accounting profession
8. To teach analysis of the financial accounting and reporting issues faced by multinational companies and the financial reporting principles and practices in countries other than the U.S.



## Student Learning Outcomes (SLOs)

SLO1. Students should understand the basic accounting concepts essential to recording business transactions and preparing & analyzing financial statements. (ACC 211 and ACC 212)

SLO2. Students should be able to analyze and interpret data for managerial controlling, planning and decision making; including demonstrating competency with the procedures and principles of managerial and cost accounting.(ACC 352 and ACC 452)

SLO3. Students should be familiar with the theory and practice of accounting for businesses, including business combination, multinational enterprises, and government and not-for-profit entities. (ACC 311, ACC 312, ACC 411, ACC454, ACC455, ACC 461, ACC 487)

SLO4. Students should demonstrate knowledge of business law, auditing principles and attestation of standards and procedures.(BUS311, BUS312, ACC431, ACC432)

SLO5. Students should demonstrate knowledge of federal income taxation for the preparation of a comprehensive income tax return for individuals and businesses. (ACC434, ACC435)

## Graduation Requirements

This degree program requires at least 122 semester hours for completion.

### Freshman Year

#### First Semester

ENG 101	College Writing I	3
MAT 110	Intermediate Algebra	3
_____	Natural Science Req.	3
FMU 101	University	3
REA 101	Critical Thin & Read	3
ENG 111	First Year Lit.	
PED 110	Dim. of Wellness	<u>2</u>
		<b>17</b>

#### Second Semester

ENG 102	College Writing II	3
MAT 111	College Algebra	3
_____	Natural Science	3
COM 103	Intro to Public Speaking	3
HIS _____	African Amer History I or II	3
REL 101	Intro to Religion	3
		<b>18</b>

### Sophomore Year

#### First Semester

ACC 211	Prin. of Acct. I	3
_____ 201	For. Lan. Req.	3
ECO 201	Prin. of Macro Eco.	3
CSC 101	Intro to Computers	3
_____ _____	Social Science Req.	<u>3</u>
		<b>15</b>

#### Second Semester

ACC 212	Prin. of Acct. II	3
ECO 202	Prin. of Micro Eco	3
_____ 202	Foreign Lan. Req.	3
BUS 215	Quant Methods for Business	3
BUS 211	Principles of Management	3
_____ _____	Humanities Req.	<u>3</u>
		<b>18</b>

### Junior Year

#### First Semester

ACC311	Inter. Accounting I	3
BUS320	Business Statistics I	3
BUS311	Business Law I	3
MAR301	Prin. of Mktg.	3
FIN301	Prin. of Finance	<u>3</u>
		<b>15</b>

#### Second Semester

ACC 312	Intermediate Accounting II	3
BUS 321	Business Statistics II	3
BUS 312	Business Law II	3
BUS 394	Business Ethics & Society	3
_____ _____	History/Gov Requirement	<u>3</u>
		<b>15</b>

**Senior Year**

**First Semester**

ACC411	Adv. Accounting	3
ACC434	Fed. Income Tax I	3
BUS 450	Bus. Intern. & Sem.	3
ACC 431	Auditing I	<u>3</u>
		<b>12</b>

**Second Semester**

ACC452	Cost Accounting	3
_____	Approved Acct. Elec.*	3
ACC454	Comp. Accounting (Sr Proj)	3
BUS420	Operations Research	<u>3</u>
		<b>12</b>

**\*Approved Accounting Electives are:**

ACC 432	Auditing II	3
ACC 435	Federal Income Tax II	3
ACC 455	International Accounting	3
ACC 461	Governmental & Nonprofit Acc	3
ACC 487	Seminar in Accounting	3

\*Electives could be recommended and approved by the Advisor

*Bachelor of Science in*

**BUSINESS ADMINISTRATION**

**Mission of the Business Administration Program**

The mission of the Business Administration program emphasizes management studies. It is designed to direct students toward an integrated approach to modern management, theory and practice, the changing nature of management, management in a changing global environment, and creative problem solving. The approved electives provide career options in Finance, Marketing, and International Business.

The goals of the program are as follows:

1. To explain the relationship between human resources management and other functions within the organization
2. To analyze the different sub-functions that are critical to the success of any organization
3. To describe the strategic importance of human resources in today's global economy
4. To explain the steps needed to create and launch a new business
5. To integrate theory and practical business experiences needed to enhance the chances for success of a new business
6. To analyze the components needed to strategically align an organization with its environment
7. To explain the relationships of the functional areas within a business
8. To analyze models of rational decision-making used in an organization
9. To apply management concepts to organizations operating in an international arena
10. To analyze components of international business, to include international trade and investment, foreign exchange, financial markets, and political and cultural interactions between multinational organizations and host countries

## Student Learning Outcomes (SLOs)

- SLO1. Students should demonstrate knowledge of management history, principles, theories, techniques, concepts, and models in making business decisions in both domestic and international arenas.
- SLO2. Students should understand the general business theories, principles, concepts, and the steps needed to create and launch a new business.
- SLO3. Students should be exposed to professional work experience and on the job training in the business sector.
- SLO4. Students should demonstrate competence in all areas of business in the capstone.
- SLO5. Students should be able to apply mathematical principles, theories, techniques, concepts, methodology, and models of rational decision making in business.
- SLO6. Students should demonstrate effective communication skills.
- SLO7. Students should be able to apply the general principles, theories, techniques, concepts, methodology, and models of accounting, economics, finance, and marketing in making business decisions.

### Freshman Year

#### First Semester

ENG 101	College Writing I	3
MAT 110	Intermediate Algebra	3
_____	Natural Science Req.	3
FMU 101	University 101	3
REA 101	Critical Thinking & Read or	3
ENG 111	First Year Literature	
PED 110	Dimension of Wellness	<u>2</u>
		<b>17</b>

#### Second Semester

ENG 102	College Writing II	3
MAT 111	College Algebra	3
_____	Natural Science Req.	3
COM 103	Intro. to Public Spk.	3
HIS _____	African Amer History I or II	3
REL 101	Intro to Religion	3
		<b>18</b>

### Sophomore Year

#### First Semester

ACC 211	Principles of Accounting I	3
_____ 201	Foreign Language Req.	3
ECO 201	Principles of Macro	3
CSC 101	Intro to Computers	3
_____ _____	Social Science Requirement	<u>2</u>
		<b>15</b>

#### Second Semester

ACC 212	Prin. of Acct.	3
ECO 202	Prin. of Micro	3
_____ 202	Foreign Lan. Req.	3
BUS 215	Quant Methods for Bus.	3
BUS 211	Prin. of Management	3
_____ _____	Humanities Req.	<u>2</u>
		<b>18</b>

### Junior Year

#### First Semester

BUS 320	Business Statistics I	3
BUS 311	Business Law I	3
MAR 301	Principles of Marketing	3
ECO 371	Money & Capital Markets	3
_____ _____	History/Gov Requirement	3
FIN 301	Principles of Finance	<u>2</u>
		<b>18</b>

#### Second Semester

BUS 321	Business Statistics II	3
HRM 350	Human Resource Mgmt	3
BUS 394	Business Ethics & Society	3
ACC 352	Managerial Accounting	<u>2</u>
		<b>12</b>

**Senior Year**

**First Semester**

BUS 450	Business Intern. & Seminar	3
BUS 403	Strategic Management	3
BUS 404	International Business	3
____	Approved Business Elective*	<u>3</u>

**12**

**Second Semester**

BUS 420	Operations Research	3
____	Approved Business Elective*	3
BUS 361	Leadership Applications	3
BUS 498	Senior Project in Business	<u>3</u>

**12**

**Approved electives are (ACC, BUS, MAR, CSC):**

ACC ____	Accounting Elective	3
BUS 210	Applied Mathematics in Business	3
BUS 240	Intro to Hospitality Management	3
BUS 310	Business Mathematics	3
BUS 312	Business Law II	3
BUS 344	Business Organization & Management	3
BUS 345	Business Comm & Tech Writing	3
BUS 353	Principles of Insurance	3
BUS 355	Principles of Real Estate	3
BUS 400	Entrepreneurship	3
BUS 480	Managerial Psychology	3
BUS 487	Seminar in Management	3
FIN 323	Corporate Finance	3
FIN 333	Investment	3
FIN 350	Principles of Financial Planning	3
FIN 493	Portfolio Analysis & Management	3
FIN 495	Futures & Options Markets	3
FIN 496	Financial Statement Analysis	3
FIN 497	International Money & Finance	3
FIN ____	Finance Elective	3
HRM ____	Human Resource Management Elective	3
MAR 361	Retail Marketing	3
MAR 362	Personal Selling	3
MAR 363	Direct Marketing Management	3
MAR 395	Consumer Behavior	3
MAR 460	Advertising	3
MAR 461	Marketing Channels	3
MAR 462	International Marketing	3
MAR 463	Survey of E- Commerce	3
MAR 490	Service Marketing	3
MAR 495	Marketing Research	3
MAR 487	Seminar in Marketing	3
CSC ____	Computer Elective (beyond CSC 101)	3

\*Electives could be recommended and approved by the advisor.

*Bachelor of Science in*

**FINANCE**

**Mission of the Finance Program**

The mission of the Finance program is to provide students with knowledge of the major concepts and practices of financial management, while at the same time helping to develop their analytical, decision-making, and communication abilities. The Finance program will also provide students with learning opportunities, that reflect the current state of knowledge and practice within the field; and the program will prepare students for careers in finance and other business areas, and provide them with the opportunity to pursue graduate studies.

The goals of the program are as follows:

1. To provide an understanding of the theoretical foundations of finance
2. To produce students who are able to communicate effectively in oral presentations and in writing.
3. To train students to apply quantitative skills to business problems
4. To assist students in acquiring the ability to use technology in making finance and business decisions.
5. To ensure an understanding of the basic concepts and principles of other areas in business.
6. To integrate skills and concepts from the common body of knowledge, bringing them to bear upon the critical analysis of business/finance issues and problems.

**Student Learning Outcomes**

- SLO1. Students will demonstrate knowledge of the major concepts and practices of financial analysis and management and develop analytical decision making skills.
- SLO2. Students will demonstrate knowledge of investments and derivatives for the practical application of theory.
- SLO3. Students will demonstrate overall knowledge of finance and major functional areas in business for careers in finance and business, and /or graduate study.

**Graduation Requirements:** This degree program requires at least 122 semester hours for completion.

**Freshman Year**

**First Semester**

ENG 101	College Writing I	3
MAT 110	Intermediate Algebra	3
_____	Natural Science Req.	3
FMU 101	University 101	3

**Second Semester**

ENG 102	College Writing II	3
MAT 111	College Algebra	3
_____	Natural Science Req.	3
COM 103	Intro to Public Speaking	3

REA 101	Critical Thinking & Read or	3	HIS ____	African Amer History I or II	3
ENG 111	First Year Literature		REL 101	Intro to Religion	3
PED 110	Dimension of Wellness	<u>2</u>			
		<b>17</b>			<b>18</b>

**Sophomore Year**

**First Semester**

ACC 211	Principles of Accounting I	3
ECO 201	Principles of Macro	3
____ 201	Foreign Language Req.	3
CSC 101	Intro to Computers	3
____ ____	Social Science Req.	<u>3</u>
		<b>15</b>

**Second Semester**

ACC 212	Principles of Accounting II	3
ECO 202	Principles of Micro Economics	3
____ 202	Foreign Language Req.	3
BUS 215	Quant Methods for Business	3
BUS 211	Principles of Management	3
____ ____	Humanities Requirement	<u>3</u>
		<b>18</b>

**Junior Year**

**First Semester**

BUS 320	Business Statistics I	3
ECO 371	Money & Capital Markets	3
MAR 301	Principles of Marketing	3
____	History/Gov Req.	3
FIN 301	Principles of Finance	<u>3</u>
		<b>15</b>

**Second Semester**

BUS 321	Business Statistics II	3
FIN 323	Corporate Finance	3
BUS 311	Business Law I ____	
FIN 333	Investments	<u>3</u>
		<b>12</b>

**Senior Year**

**First Semester**

BUS 394	Business Ethics & Society	3
BUS 404	International Business	3
BUS 403	Strategic Management	3
FIN 495	Futures & Options Markets	3
____ ____	Approved Finance Elective*	<u>3</u>
		<b>15</b>

**Second Semester**

BUS 450	Business Intern. & Seminar	3
BUS 420	Operations Research	3
BUS 498	Senior Project in Business	3
____ ____	Approved Finance Elective*	<u>3</u>
		<b>12</b>

**Approved electives are:**

	<b>Credits</b>
ACC 311	Intermediate Accounting I 3
ACC 312	Intermediate Accounting II 3
ACC 352	Managerial Accounting 3
ACC 434	Federal Income Tax I 3
BUS 353	Principles of Insurance 3
BUS 355	Principles of Real Estate 3
FIN 350	Principles of Financial Planning 3
FIN 493	Portfolio Analysis and Management 3
FIN 496	Financial Statement Analysis 3
FIN 497	International Money & Finance 3
-----	Business Administration Elective 3
-----	Business Administration Elective 3

*Bachelor of Science in*

**MARKETING**

**Mission of the Marketing Program**

The mission of the Marketing program is to provide students with an understanding of the basic structures and processes of marketing and assist them in developing the ability to analyze and deal with marketing problems and opportunities. The program prepares students for careers in marketing and provides them the opportunity to pursue graduate studies. The Marketing program is intended to provide the students with necessary skills for performance of assigned duties in the fields of:

1. Marketing Management
2. Marketing Research
3. Industrial Sales
4. Retail Management

**The goals of the program are as follows:**

1. To provide the knowledge and skills necessary for the application of marketing technology within an organization
2. To aid the students in the development of marketing skills in order to facilitate the creation of successful marketing policies within a firm
3. To enhance student abilities to conduct research, analyze data and report results through utilization of the latest marketing information and techniques
4. To aid the student in the development of creative solutions to marketing problems within a business organization through the preparation of a professional report based on the practical application of marketing knowledge and field research

**Student Learning Outcomes (SLOs)**

1. Students should understand basic marketing principles and the fundamentals for successful retailing management, product and services marketing, electronic commerce, advertising, channel structure, and personal selling in order to effectively market themselves and the organization they represent.
2. Students should understand the fundamentals of consumer behavior and be able to perform a conceptual analysis of consumer behavior individually, within a general retailing or industrial personal selling context.
3. Students should demonstrate an understanding of current issues in marketing, their applications in marketing contexts, and fundamental techniques of marketing research.

**Graduation Requirements:** This degree program requires at least 122 semester hours for completion.

**Freshman Year**

**First Semester**

ENG 101	College Writing I	3
MAT 110	Intermediate Algebra	3
_____	Natural Science Req.	3
FMU 101	University 101	3
REA 101	Crit. Think. & Read or	3
ENG 111	First Year Literature	
PED 110	Dim. of Wellness	<u>2</u>
		<b>17</b>

**Second Semester**

ENG 102	College Writing II	3
MAT 111	College Algebra	3
_____	Natural Science Req.	3
COM 103	Intro to Public Spkg.	3
HIS _____	African Amer His.	3
	I or II	
REL 101	Intro to Religion	3
		<b>18</b>

**Sophomore Year**

**First Semester**

ACC 211	Prin. of Accounting I	3
_____ 201	Foreign Lang. Req.	3
ECO 201	Principles of Macro	3
CSC 101	Intro to Computers	3
BUS 211	Prin. of Management	3
_____ _____	Social Science Req.	<u>3</u>
		<b>18</b>

**Second Semester**

ACC 212	Prin. of Accounting II	3
_____ 202	Foreign Lang. Req.	3
ECO 202	Principles of Micro	3
BUS 215	Quant Meth. for Bus.	3
_____ _____	Humanities Req.	<u>3</u>
		<b>15</b>

**Junior Year**

**First Semester**

BUS 320	Business Statistics I	3
MAR 301	Prin. of Marketing	3
ACC 352	Managerial Acct.	3
FIN 301	Prin. of Finance	3
_____ _____	History/Gov Req.	<u>3</u>
		<b>12</b>

**Second Semester**

BUS 321	Business Statistics II	3
BUS 311	Business Law I	3
BUS 394	Business Ethics & Soc.	3
BUS 404	International Business	<u>3</u>
ECO 371	Money & Cap. Mark.	3
		<b>15</b>

**Senior Year**

**First Semester**

BUS 450	Bus. Intern. & Sem.	3
BUS 403	Strategic Manage.	3
MAR 495	Consumer Behavior	3
_____ _____	Appr. Marketing Elec.*	<u>3</u>
		<b>12</b>

**Second Semester**

MAR 495	Marketing Research	3
BUS 420	Operations Research	3
BUS 498	Sr. Project in Business	3
_____ _____	Appr. Marketing Elec*	<u>3</u>
		<b>15</b>

**APPROVED MARKETING ELECTIVES ARE: CREDITS**

MAR 361	Retail Marketing	3
MAR 362	Personal Selling	3
MAR 363	Direct Marketing Management	3
MAR 460	Advertising	3
MAR 461	Marketing Channels	3
MAR 462	International Marketing	3
MAR 463	Survey of E-Commerce	3
MAR 490	Services Marketing	3
MAR 487	Seminar in Marketing	3



## PRE-HOSPITALITY MANAGEMENT DUAL PROGRAM

The objective of the Florida Memorial University/Florida International University Hospitality Management Program is to provide students the opportunity to obtain the Bachelor of Science Degree in Business Administration from Florida Memorial University and the Bachelor of Science Degree in Hospitality Management or the Master of Science Degree in Hotel and Food Service Management from Florida International University.

### Graduation Requirements

This concentration requires a minimum of 127 semester hours for completion.

#### Freshman Year

##### First Semester

ENG 101	College Writing I	3
MAT 110	Intermediate Algebra or	3
MAT 111	College Algebra	3
BIO 101	Biological Science	3
FMU 101	University 101	3
REA 101	Crit. Think & Rdng. or	3
PED 110	Dim. of Wellness	<u>2</u>
		<b>17</b>

##### Second Semester

ENG 102	College Writing II	3
MAT 111	College Algebra or	3
MAT 112	Pre-Calculus	3
PSC 101	Physical Science	3
CSC 101	Intro to Computers	3
REL 201	Intro to Religion	3
HIS 200	History of USA	<u>3</u>
		<b>18</b>

#### Sophomore Year

##### First Semester

ACC 211	Prin. of Accounting I	3
___	Foreign Language I	3
SSC ___	Cont. Soc. I or II.	3
ECO 202	Principles of Micro	3
___	Afr. Amer. Hist. I or II	<u>3</u>
		<b>15</b>

##### Second Semester

ENG 309	Adv. Grammar & Comp.	3
ACC 212	Prin. of Accounting II	3
BUS 215	Quant. Methods for Bus.	3
BUS 211	Prin. of Management	3
___ 202	Foreign Language II	3
MUS 200	Music Appreciation	<u>3</u>
		<b>18</b>

#### Junior Year

##### First Semester

BUS 320	Business Statistics I	3
BUS 311	Business Law I	3
MAR 301	Prin. of Marketing	3
___	Appr. Business Elective	3
BUS 240	Intro. To Hospitality	3
	Management	
		<b>15</b>

##### Second Semester

BUS 312	Business Law II	3
BUS 321	Business Statistics II	3
___	Appr. Business Elective	3
FIN 301	Principles of Finance	3
ECO 371	Money & Capital Markets	3
		<b>15</b>

### Minor in Business Administration, Finance, Human Resource Management and Marketing

A minor is available Business Administration, Finance, Human Resource Management and Marketing. A program of study in Business Administration, Finance, Human Resource Management and Marketing serves as a foundation for students who have interest in pursuing graduate work or a career in these areas. For a minor student must complete eighteen credit hours with a grade of "C" or better in related minor.

Students should consult with the School's Dean as soon as the decision to pursue a minor in has been made. An agreement about specific courses to satisfy the minor requirements must be made during the application process. Students selecting a minor must adhere to the same entrance requirements as those pursuing a major in the School of Business and must have a strong background in mathematics.

### **MINOR IN BUSINESS ADMINISTRATION**

ACC 211	Principles of Accounting I	3
BUS 210	Principles of Management	3
FIN 301	Principles of Finance	3
MAR 301	Principles of Marketing	3
BUS ----	Business Electives	3
BUS ----	Business Elective	3

### **MINOR IN FINANCE**

BUS 353	Principles of Insurance	3
FIN 301	Principles of Finance	3
FIN 323	Corporate Finance	3
FIN 333	Investment	3
FIN 350	Principals of Financial Planning	3
FIN 493	Portfolio Analysis & Management	3
FIN 495	Futures & Options Markets	3
FIN 496	Financial Statement Analysis	3
FIN 497	International Money & Finance	3

### **MINOR IN HUMAN RESOURCE MANAGEMENT**

HRM 350	Human Resource Management	3
HRM 360	Legal Environment of HRM	3
HRM 380	Compensation Management	3
HRM 410	Labor Relations	3
HRM 420	Staffing and Development	3
HRM 430	Creative Productive Relationships	3

### **MINOR IN MARKETING**

MAR 301	Principles of Marketing	3
MAR 361	Retail Marketing	3
MAR 362	Personal Selling	3
MAR 395	Consumer Behavior	3
MAR 460	Advertising	3
MAR 461	Marketing Channels	3
MAR 462	International Marketing	3
MAR 463	Survey of e-Commerce	3
MAR 487	Seminar in Marketing	3
MAR 490	Service Marketing	3
MAR 495	Marketing Research	3

\* Approval of Advisor Required.

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## SCHOOL OF EDUCATION

### THE SCHOOL OF EDUCATION OFFERS THE FOLLOWING DEGREES:

- The Bachelor of Science in Biology Education
- The Bachelor of Science in Elementary Education/ESOL K-6
- The Bachelor of Science in Exceptional Education/ESOL K-12
- The Bachelor of Science in General Science Education 5-9
- The Bachelor of Science in Middle Grade English 5-9
- The Bachelor of Science in Middle Grades Mathematics Education 5-9
- The Bachelor of Science in Music Education K-12
- The Bachelor of Science in Physical Education K-12
- The Bachelor of Science in Secondary English 6-12
- The Bachelor of Science in Secondary Mathematics 6-12

The School of Education offers degrees in these specialized fields along with the teacher education curriculum to prepare students for a professional teaching career in the respective content areas. Additionally, a minor in Health Education is available.

The curricular offerings in the Professional Education Program provide opportunities to learn and practice appropriate theories, concepts and strategies. The Professional Education Program provides the pre-professional teacher with the knowledge, skills, and competencies necessary to be effective educators by emphasizing such areas as methodologies, of instruction, classroom management, curriculum, assessment, field activities and the internship experience. The curriculum developed for majors leading to teacher certification is based on the State Board of Education rules prescribed in Chapter 6A.-5.066, 5FAC of the Department of Education for the State of Florida.

### SCHOOL OF EDUCATION MISSION STATEMENT

The professional education program at Florida Memorial University is designed to uphold and carry out the mission of the University, which is to provide effective programs that lead to life-long learning and leadership through service. The dynamics of change have led to the continuation of high expectations in the quality of educators prepared at this institution, from increasing the diversity of the student population to revision of the program that addresses the use of technology in both preparation for and in instruction. Effective educators will demonstrate the attributes of high expectations in terms of scholarship, service and research as they prepare to become professionals in their respective fields. Graduates of the teacher education program are noted for their professionalism and their belief that all children can learn. The School's vision may be captured by the following theme: Continuing the Heritage,

Legacy and Tradition of Florida Memorial University: Preparing Constructivist, Competent and Compassionate Educators, (C3E).

### **SCHOOL OF EDUCATION GOALS**

- (1) Candidates will provide quality instruction that address instructional design and planning, the learning environment, instructional delivery and facilitation, and assessment.
- (2) Continuous Improvement, Responsibility and Ethics

### **PROFESSIONAL EDUCATION PROGRAM**

Admission to the Professional Education Program

The curriculum for the Professional Education Program is designed to be fulfilled in approximately two years after completion of the general education curriculum required by Florida Memorial University.

Students are admitted into the University as pre-education majors and must maintain an overall 2.5 GPA. Upon successful completion of all sections of the General Knowledge Test and a minimum overall 2.5 GPA, students are admitted into the School of Education Teacher Preparation Program as education majors.

To qualify for full admittance into the School of Education, the student must satisfy the following requirements:

- A minimum cumulative GPA of 2.5 at the completion of 60 credits.
- A passing score on all four sub-sections of the GK (General Knowledge)

### **TEACHER EDUCATION INTERNSHIP**

Admission to the Teacher Education Internship

- The culmination the Professional Education Program concludes with the Education Internship. The internship experience provides the vehicle for the pre-professional teachers to demonstrate teacher competencies by connecting theoretical with the practical experiences through implementation of the teaching process. An Internship application must be completed by the announced deadline one semester prior to the internship experience. Internship is completed during the last semester of the senior year. Before applying for the internship, students must be fully accepted into the Professional Education Program. Students must also complete all required education courses prior to internship unless the course is specified to be completed concurrently with internship. Acceptance into the Education Internship Program is granted by the Professional Education Program faculty committee. Additionally, for acceptance into the internship program, students must satisfy the following requirements:

- An overall cumulative GPA of 2.5 or higher
- A GPA of 2.5. or higher in the major area
- A typed one page essay entitled: My Philosophy of Education
- Successful completion of Pre-Student Teaching experiences
- Completion of course audit by the Coordinator /Advisor of the major area.
- Demonstrate competency of the Florida Educator Accomplished Practices for the Developing/Synthesis level

Candidates for internship will be granted permission to register for the internship after all of the above mentioned requirements have been satisfied.

## **GRADUATION REQUIREMENTS**

Before graduating from the School of Education's Professional Education Program, the student must have:

- Completed all requirements for the Professional Education Program.
- Passed the Professional Examination and the Subject Area examination of FTCE (Florida Teacher Certification Examination)
- Completed graduation requirements
- Completed and submitted all appropriate materials for graduation with the Advisor/Major Area Coordinator. (Education programs are subject to change based on the recommendations from the Florida Department of Education for program approval in order to meet the state certification requirements).
- Paid the graduation Fee
- Demonstrate competency of the Florida Educator Accomplished Practices at the Validating level.
- Demonstrate competency of Domains/Standards for English Speaker of Other Languages

## **STUDENT LEARNING OUTCOMES**

Each Teacher Candidate Graduate will demonstrate the following:

1. The candidates will be able to design and plan lessons for diverse K-12 learners.
2. The candidates will be able to construct a student-centered learning environment conducive to all K-12 learners.
3. The candidates will deliver and facilitate instruction using best practices.
4. The candidates will be able to design and use assessment to guide instruction.
5. The candidates will collaborate with stakeholders in his/her professional development to enhance the teaching and learning process.
6. The candidate will be able to demonstrate conduct that reflects high moral standards and ethical behavior with stakeholders.

## *Bachelor of Science in* **BIOLOGY EDUCATION**

This degree is designed to prepare students for professional studies as well as to teach biology. This degree requires 136 credit hours for completion. **In order to complete the degree in four years, students must take more than 15 credits a semester or attend at least one summer session.**

### **PROGRAM GOALS**

- (1) Candidates will provide quality instruction that addresses instructional design and planning, the learning environment, instructional delivery and facilitation, and assessment.
- (2) Continuous Improvement, Responsibility and Ethics.

### **Student Learning Outcomes**

#### *Developing*

Teacher candidates at the developing level will use lesson plans to align instruction with state-adopted standards at the appropriate level of rigor.

Teacher candidates at the developing level will design lesson plans for students to achieve mastery.

Teacher candidates at the developing level will use (lesson plans, management plans) to illustrate respect of students' cultural, linguistic and family background.

Teacher candidates at the developing level will design lesson plans/communication resource lists to integrate current information and communication technologies.

Teacher candidates at the developing level will adapt the learning environment (through lesson plans or management plans) to accommodate the differing needs and diversity of students.

Teacher candidates at the developing level will modify lesson plans/lesson delivery to respond to preconceptions or misconceptions.

Teacher candidates at the developing level will relate and integrate the subject matter with other disciplines and life experience to deliver engaging and challenging lessons.

Teacher candidates at the developing level will differentiate instructional plans based on an assessment of student learning needs and recognition of individual differences in students.

Teacher candidates at the developing level will design lesson plans/assessment reports to modify assessments and testing conditions to accommodate learning styles and varying levels of knowledge.

Teacher candidates at the developing level will design assessment reports to apply technology to organize and integrate assessment information.

Teacher candidates at the developing level will engage in a targeted professional development plan and reflective practices.

Teacher candidates at the synthesis level will implement knowledge and skills learned in professional development in the teaching and learning process through lesson plans/narrative reflection.

Teacher candidates at the developing level will identify ethical and moral behavior which adheres to the Code of Conduct illustrated in a classroom vignette/case study through their written reflection.

Teacher candidates at the developing level will analyze the relationship between the NEA and State of Florida Code of Ethics through written reflection.

### *Synthesis*

Teacher candidates at the synthesis level will sequence lessons and concepts to ensure coherence and required prior knowledge in lesson plans.

Teacher candidates at the synthesis level will select appropriate formative assessments to monitor learning in lesson plans/case study.

Teacher candidates at the synthesis level will convey high expectations to all students in lesson plans/observations.

Teacher candidates at the synthesis level will model clear, acceptable oral and written communication skills in lesson plans and lesson observations.

Teacher candidates at the synthesis level will utilize current and emerging assistive technologies that enable students to participate in high-quality communication interactions and achieve their educational goals in (lesson plans and lesson observations).

Teacher candidates at the synthesis level will deepen and enrich students' understanding through content area literacy strategies, verbalization of thought, and application of the subject matter in lesson plans/observation.

Teacher candidates at the synthesis level will identify gaps in students' subject matter knowledge in lesson plans and/or assessment plan and/or narrative reflection.

Teacher candidates at the synthesis level will employ higher-order questioning techniques in lesson plans and/or lesson observations.

Teacher candidates at the synthesis level will complete an assessment report/lesson plans to design and align formative and summative assessments that match learning objectives and lead to mastery.

Teacher candidates at the synthesis level will use a variety of assessment tools to monitor student progress, achievement and learning gains in an assessment report/case study.

Teacher candidates at the synthesis level will design purposeful professional goals to strengthen the effectiveness of instruction based on students' needs.

Teacher candidates at the synthesis level will engage in professional dialogue, which demonstrates respect for individual differences and fairness with all stakeholders through observation/narrative reflection.

### ***Validating***

Teacher candidates at the validating level will design a case study/narrative reflection, which uses a variety of data to evaluate learning outcomes, adjust planning and improve lesson effectiveness.

Teacher candidates at the validating level will provide learning experience through lesson plans that require students to demonstrate a variety of applicable skills and competencies.

Teacher candidates at the validating level will organize, allocate, and manage the resources of time, space, and attention within lesson delivery (lesson plan/observation).

Teacher candidates at the validating level will manage individual and class behaviors through a well-planned management system (management plan/observation).

Teacher candidates at the validating level will maintain a climate of openness, inquiry, fairness, and support (observation).

Teacher candidates at the validating level will apply varied instructional strategies and resources, including technology, to provide comprehensible instruction, and to teach for student understanding through lesson plans and observations.

Teacher candidates at the validating level will support, encourage, and provide immediate and specific feedback to students to promote student achievement through lesson observations.



Teacher candidates at the validating level will utilize student feedback to monitor instructional needs and to adjust instruction through reflective analysis.

Teacher candidates at the validating level will design a case study/assessment report, which analyzes and applies data from multiple assessments and measures to diagnose students' learning needs, informs instruction based on those needs, and drives the learning process.

Teacher candidates at the validating level will construct written reports to share the importance and outcomes of student assessment data with the student and the student's parent/caregiver(s).

Teacher candidates at the validating level will examine and use data-informed research to improve instruction and student achievement through case study/intervention plan implementation.

Teacher candidates at the validating level will collaborate with the home, school and larger communities to foster communication and to support student learning and continuous improvement through narrative reflection.

Teacher candidates at the validating level will demonstrate professional dispositions through adherence to professional, legal, and ethical responsibility with all stakeholders through observation/narrative reflection.

### **Freshman Year**

#### **First Semester**

FMU 101 University 101 *	3
ENG 101 College Writing I	3
MAT 111 College Algebra	3
REA 101 Crit Thk & Rd or	3
ENG 111 First Year Lit	
BIO 130 Prin of Biology	3
BIO 131 Prin of Biology Lab	<u>1</u>
	16

#### **Second Semester**

ENG 102 College Writing II	3
MAT 112 Pre-Calculus	3
BIO 204 General Zoology	3
BIO 205 General Zoo Lab	1
HIS 103 Af. Am. History	3
ENV 131 Earth Science	3
COM 103 Intro to Pub Spkg	<u>3</u>
	19

### **Sophomore Year**

#### **First Semester**

MAT 305 Clg. Geometry	3
BIO 206 General Botany	3
BIO 207 General Bot Lab	1
CHE 110 General Chem	4
CHE 111 Gen Chem Lab	1
PSY 200 Intro to Psychology	3
REL 201 Intro to Phil.	<u>3</u>
	18

#### **Second Semester**

EDU 203 Psy/Soc Foun Ed.	3
CHE 112 Gen Chemistry	4
CHE 113 Gen Chem Lab	1
BIO 310 Genetics	3
BIO 311 Genetics Lab	1
PED 110 Dim of Well	2
EDU 206 Tchg in M/S Sch	<u>3</u>
	17

### **Junior Year**

#### **First Semester**

PHY 200 College Physics I	3
PHY 201 College Physics Lab	1
BIO 200 Human Anat & Phy	3

#### **Second Semester**

PHY 202 Clg Physics II	3
PHY204 Clg Physi Lab	1
BIO 320 Ecology	3

BIO 201 Human Anat &Phy Lab1		BIO 321 Ecolog Lab	1
EDU 205 Multi. Diversity	3	HIS 200 History of USA	3
EDU 331 Instructional Tech.	3	EDU 314 Pre-Student Tchg	1
EDU 313 Pre-Student Teaching	1	EDU 308 Teach Read in E/Sch	3
ESO 402 Methods of Tchg ESOL	<u>3</u>	EDU 426 Content Read	3
	18		18

#### Senior Year

##### First Semester

BIO 410 Microbiology	3
BIO 411 Microbiology Lab	<u>1</u>
EDU 408 Clsrn Beh Mgmt	3
EDU 439 Tst and Msmt	3
EDU 315 Pre-Student Teaching	1
BIO 420 Cell Biology	3
BIO 421 Cell Biology Lab	1
EDU 419 Tchg Sci in M/S	<u>3</u>
	18

##### Second Semester

EDU 450 Internship	9
_____ Fine Arts Req	<u>3</u>
	12

### *Bachelor of Science in*

## **ELEMENTARY EDUCATION /ESOL(K-6)**

The major in Elementary Education/ESOL provides students with content, education theory, methods of teaching and management principles and practices needed to address diverse learners. Students who complete this major are prepared to be professional elementary teachers and for further study at the graduate level. This degree program requires 126 credit hours for completion with ESOL endorsement. **In order to complete the degree in four years, students must take more than 15 credits a semester or attend at least one summer session.**

### **STUDENT LEARNING OUTCOMES**

#### *Developing*

Teacher candidates at the developing level will use lesson plans to align instruction with state-adopted standards at the appropriate level of rigor.

Teacher candidates at the developing level will design lesson plans for students to achieve mastery.

Teacher candidates at the developing level will use (lesson plans, management plans) to illustrate respect of students' cultural, linguistic and family background.

Teacher candidates at the developing level will design lesson plans/communication resource lists to integrate current information and communication technologies.

Teacher candidates at the developing level will adapt the learning environment (through lesson plans or management plans) to accommodate the differing needs and diversity of students.

Teacher candidates at the developing level will modify lesson plans/lesson delivery to respond to preconceptions or misconceptions.

Teacher candidates at the developing level will relate and integrate the subject matter with other disciplines and life experience to deliver engaging and challenging lessons.

Teacher candidates at the developing level will differentiate instructional plans based on an assessment of student learning needs and recognition of individual differences in students.

Teacher candidates at the developing level will design lesson plans/assessment reports to modify assessments and testing conditions to accommodate learning styles and varying levels of knowledge.

Teacher candidates at the developing level will design assessment reports to apply technology to organize and integrate assessment information.

Teacher candidates at the developing level will engage in a targeted professional development plan and reflective practices.

Teacher candidates at the synthesis level will implement knowledge and skills learned in professional development in the teaching and learning process through lesson plans/narrative reflection.

Teacher candidates at the developing level will identify ethical and moral behavior which adheres to the Code of Conduct illustrated in a classroom vignette/case study through their written reflection.

Teacher candidates at the developing level will analyze the relationship between the NEA and State of Florida Code of Ethics through written reflection.

### ***Synthesis***

Teacher candidates at the synthesis level will sequence lessons and concepts to ensure coherence and required prior knowledge in lesson plans.

Teacher candidates at the synthesis level will select appropriate formative assessments to monitor learning in lesson plans/case study.

Teacher candidates at the synthesis level will convey high expectations to all students in lesson plans/observations.

Teacher candidates at the synthesis level will model clear, acceptable oral and written communication skills in lesson plans and lesson observations.

Teacher candidates at the synthesis level will utilize current and emerging assistive technologies that enable students to participate in high-quality communication interactions and achieve their educational goals in (lesson plans and lesson observations).

Teacher candidates at the synthesis level will deepen and enrich students' understanding through content area literacy strategies, verbalization of thought, and application of the subject matter in lesson plans/observation.

Teacher candidates at the synthesis level will identify gaps in students' subject matter knowledge in lesson plans and/or assessment plan and/or narrative reflection.

Teacher candidates at the synthesis level will employ higher-order questioning techniques in lesson plans and/or lesson observations.

Teacher candidates at the synthesis level will complete an assessment report/lesson plans to design and align formative and summative assessments that match learning objectives and lead to mastery.

Teacher candidates at the synthesis level will use a variety of assessment tools to monitor student progress, achievement and learning gains in an assessment report/case study.

Teacher candidates at the synthesis level will design purposeful professional goals to strengthen the effectiveness of instruction based on students' needs.

Teacher candidates at the synthesis level will engage in professional dialogue, which demonstrates respect for individual differences and fairness with all stakeholders through observation/narrative reflection.

### ***Validating***

Teacher candidates at the validating level will design a case study/narrative reflection, which uses a variety of data to evaluate learning outcomes, adjust planning and improve lesson effectiveness.

Teacher candidates at the validating level will provide learning experience through lesson plans that require students to demonstrate a variety of applicable skills and competencies.

Teacher candidates at the validating level will organize, allocate, and manage the resources of time, space, and attention within lesson delivery (lesson plan/observation).

Teacher candidates at the validating level will manage individual and class behaviors through a well-planned management system (management plan/observation).

Teacher candidates at the validating level will maintain a climate of openness, inquiry, fairness, and support (observation).

Teacher candidates at the validating level will apply varied instructional strategies and resources, including technology, to provide comprehensible instruction, and to teach for student understanding through lesson plans and observations.

Teacher candidates at the validating level will support, encourage, and provide immediate and specific feedback to students to promote student achievement through lesson observations.

Teacher candidates at the validating level will utilize student feedback to monitor instructional needs and to adjust instruction through reflective analysis.

Teacher candidates at the validating level will design a case study/assessment report, which analyzes and applies data from multiple assessments and measures to diagnose students' learning needs, informs instruction based on those needs, and drives the learning process.

Teacher candidates at the validating level will construct written reports to share the importance and outcomes of student assessment data with the student and the student's parent/caregiver(s).

Teacher candidates at the validating level will examine and use data-informed research to improve instruction and student achievement through case study/intervention plan implementation.

Teacher candidates at the validating level will collaborate with the home, school and larger communities to foster communication and to support student learning and continuous improvement through narrative reflection.

Teacher candidates at the validating level will demonstrate professional dispositions through adherence to professional, legal, and ethical responsibility with all stakeholders through observation/narrative reflection.

#### Freshman Year

##### First Semester

ENG 101	College Writing I	3
ENV 131	Earth Science	3
MAT 110	Intermediate Alg.	3
FMU 101	University 101*	3
COM 103	Intro to Pub Speak	3

15

##### Second Semester

ENG 102	College Writing II	3
BIO 101	Biological Science	3
BIO 131	Biological Sci. Lab	1
REA 101	Crit Think/ Rdg or	3
ENG 111	First Yr. Lit.	
HIS 103	Afr. Amer. His	3
MAT 111	College Algebra	3

16

#### Sophomore Year

##### First Semester

— —	Literature Req**	3
— —	Fine Arts Req***	3
PSY 200	Intro. Psychology	3

##### Second Semester

HIS 200	History of USA	3
REL 201	Intro to Philo	3
EDU 203	Psy/Soc Found/EDU	3

PSC 101	Physical Science	3	EDU 204 Tchg in Ele School	3
MAT 114	Finite Math	3	EDU 205 Multicultural Div	3
PED 110	Dim of Wellness	<u>2</u>	EDU 331 Instructional Tech	<u>3</u>
		17		18

#### Junior Year

##### First Semester

EDU 303	Tchg Music in E/S	3
EDU 304	Tchg Soc. Stud E/S	3
EDU 305	Tchg. Art in E/S	3
EDU 308	Tchg Readingin /E/S	3
EDU 426	Content Reading	3
EDU 313	Pre-Stud Tchg	<u>1</u>
		16

##### Second Semester

EDU 302	Tchg Science in E/S	3
EDU 324	Tchg Hlth/PE	3
ENG 460	Applied Linguistics	3
EDU 411	Diagnosis and Rem	3
EDU 427	Tchg Lang Art/Child	3
EDU 314	Pre-Stud Tchg	<u>1</u>
		16

#### Senior Year

##### First Semester

EDU 307	Tchg Math in E/S	3
EDU 408	Clstrm Beh Mgmt	3
EDU 429	Tchg Rem. Reading	3
EDU 439	Tests. And Msmts	3
ESO 402	Mthds of Tchg ESOL	3
ESE 448	Inclu, Coll, Div	3
EDU 315	Pre-Stud. Tchg	<u>1</u>
		19

##### Second Semester

EDU 450	Internship	9-12
EDU 432	Supervi Read Pra	<u>3</u>
		12/15

#### *Bachelor of Science in*

### EXCEPTIONAL STUDENT EDUCATION/ESOL K-12

The major in Exceptional Education is designed to provide students with strong content knowledge, educational theory, methods of teaching and management principles and practices needed to address diverse learners. Students who complete this major are prepared for further study at the graduate or professional school level. This degree program requires at least 129 credit hours for completion. **In order to complete the degree in four years students must take more than 15 credits a semester or attend at least one summer session.**

#### STUDENT LEARNING OUTCOMES

##### *Developing*

Teacher candidates at the developing level will use lesson plans to align instruction with state-adopted standards at the appropriate level of rigor.

Teacher candidates at the developing level will design lesson plans for students to achieve mastery.

Teacher candidates at the developing level will use (lesson plans, management plans) to illustrate respect of students' cultural, linguistic and family background.

Teacher candidates at the developing level will design lesson plans/communication resource lists to integrate current information and communication technologies.

Teacher candidates at the developing level will adapt the learning environment (through lesson plans or management plans) to accommodate the differing needs and diversity of students.

Teacher candidates at the developing level will modify lesson plans/lesson delivery to respond to preconceptions or misconceptions.

Teacher candidates at the developing level will relate and integrate the subject matter with other disciplines and life experience to deliver engaging and challenging lessons.

Teacher candidates at the developing level will differentiate instructional plans based on an assessment of student learning needs and recognition of individual differences in students.

Teacher candidates at the developing level will design lesson plans/assessment reports to modify assessments and testing conditions to accommodate learning styles and varying levels of knowledge.

Teacher candidates at the developing level will design assessment reports to apply technology to organize and integrate assessment information.

Teacher candidates at the developing level will engage in a targeted professional development plan and reflective practices.

Teacher candidates at the synthesis level will implement knowledge and skills learned in professional development in the teaching and learning process through lesson plans/narrative reflection.

Teacher candidates at the developing level will identify ethical and moral behavior which adheres to the Code of Conduct illustrated in a classroom vignette/case study through their written reflection.

Teacher candidates at the developing level will analyze the relationship between the NEA and State of Florida Code of Ethics through written reflection.

### ***Synthesis***

Teacher candidates at the synthesis level will sequence lessons and concepts to ensure coherence and required prior knowledge in lesson plans.

Teacher candidates at the synthesis level will select appropriate formative assessments to monitor learning in lesson plans/case study.

Teacher candidates at the synthesis level will convey high expectations to all students in lesson plans/observations.

Teacher candidates at the synthesis level will model clear, acceptable oral and written communication skills in lesson plans and lesson observations.

Teacher candidates at the synthesis level will utilize current and emerging assistive technologies that enable students to participate in high-quality communication interactions and achieve their educational goals in (lesson plans and lesson observations).

Teacher candidates at the synthesis level will deepen and enrich students' understanding through content area literacy strategies, verbalization of thought, and application of the subject matter in lesson plans/observation.

Teacher candidates at the synthesis level will identify gaps in students' subject matter knowledge in lesson plans and/or assessment plan and/or narrative reflection.

Teacher candidates at the synthesis level will employ higher-order questioning techniques in lesson plans and/or lesson observations.

Teacher candidates at the synthesis level will complete an assessment report/lesson plans to design and align formative and summative assessments that match learning objectives and lead to mastery.

Teacher candidates at the synthesis level will use a variety of assessment tools to monitor student progress, achievement and learning gains in an assessment report/case study.

Teacher candidates at the synthesis level will design purposeful professional goals to strengthen the effectiveness of instruction based on students' needs.

Teacher candidates at the synthesis level will engage in professional dialogue, which demonstrates respect for individual differences and fairness with all stakeholders through observation/narrative reflection.

### ***Validating***

Teacher candidates at the validating level will design a case study/narrative reflection, which uses a variety of data to evaluate learning outcomes, adjust planning and improve lesson effectiveness.

Teacher candidates at the validating level will provide learning experience through lesson plans that require students to demonstrate a variety of applicable skills and competencies.

Teacher candidates at the validating level will organize, allocate, and manage the resources of time, space, and attention within lesson delivery (lesson plan/observation).

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Teacher candidates at the validating level will apply varied instructional strategies and resources, including technology, to provide comprehensible instruction, and to teach for student understanding through lesson plans and observations.

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Teacher candidates at the validating level will examine and use data-informed research to improve instruction and student achievement through case study/intervention plan implementation.

Teacher candidates at the validating level will collaborate with the home, school and larger communities to foster communication and to support student learning and continuous improvement through narrative reflection.

Teacher candidates at the validating level will demonstrate professional dispositions through adherence to professional, legal, and ethical responsibility with all stakeholders through observation/narrative reflection.

#### Freshman Year

##### First Semester

FMU 101	University 101	3
ENG 101	College Writing I	3
MAT 110	Intermediate Alg	3
COM 103	Intro to Pub Spkg	3
ENV 131	Earth Science	3
PED 110	Dim. Of Wellness	<u>2</u>
		17

##### Second Semester

ENG 102	College Writing II	3
MAT 111	College Algebra	3
BIO 101	Biological Science	3
BIO 131	Bio. Science Lab	1
HIS 103	Afr. Amer. History	3
REA 101	Crit Think & Rdg	<u>3</u>
or ENG 111	First Yr. Lit	
		16

#### Sophomore Year

##### First Semester

___	Fine Arts Req.	3
HIS 200	History of USA	3
PSY 200	Intro. Psychology	3
PSC 101	Physical Science	3
MAT 114	Finite Math	3
REL 201	Intro to Philosophy	<u>3</u>
		18

##### Second Semester

EDU 203	Psy/Soc Found of Edu.	3
EDU 204	Tchg. In Ele School	3
EDU 205	Multi. Diversity	3
EDU 206	Tchg in Mid/Sec School	3
ESE 430	Intro to Excp. Child	3
___	Literature Req.	3
		18

#### Junior Year

##### First Semester

EDU 302	Tchg Science in. Ele. Sch	3
EDU 304	Tchg in Soc. Stu.	3
ESE 434	Char of Student ESE	3
EDU 308	Tchg Rdg in E/S	3
EDU 313	Pre-Student Teaching1	
EDU 307	Tchg Math in the Ele Sch	<u>3</u>
		16

##### Second Semester

EDU 426	Content Reading	3
ESE 435	Curr/Instr ESE	3
ESE 447	Assess in Special	3
EDU 315	Pre-Student Teaching	1
ENG 460	Applied Linguistics	3
ESO 402	Methods of Teaching of ESOL	3
		16

**Senior Year**

**First Semester**

EDU 331	Instructional Techn.	3
ESE 436	Cur/ Instr ESE	3
ESE 408	Behav Mgmt ESE	3
EDU 411	Diagnosis and Rem	3
	And Children Lit.	
EDU 429	Tchg Rem. Reading	3
EDU 315	Pre-Student Tchg	<u>1</u>
		19

**Second Semester**

EDU 450	Internship	9
ESE 448	Incl. Coll Div	3
EDU 432	Prac. In Reading	<u>3</u>
		15

*Education majors who have completed two years of a foreign language in high school with GPA of 2.0 or higher are exempted from the University's foreign language requirement.*

*Bachelor of Science in*

**Middle Grades English/ESOL (5-9)**

The major in Middle Grades English/ESOL 5-9 provides students with strong content knowledge, educational theory and practice, methods of teaching and management principles and practices needed to address diverse learners. Students who complete this major are prepared to teach students from diverse backgrounds and for further study at the graduate or professional level. **In order to complete the degree in four years, students must take more than 15 credits a semester or attend at least one summer session.**

**STUDENT LEARNING OUTCOMES**

*Developing*

Teacher candidates at the developing level will use lesson plans to align instruction with state-adopted standards at the appropriate level of rigor.

Teacher candidates at the developing level will design lesson plans for students to achieve mastery.

Teacher candidates at the developing level will use (lesson plans, management plans) to illustrate respect of students' cultural, linguistic and family background.

Teacher candidates at the developing level will design lesson plans/communication resource lists to integrate current information and communication technologies.

Teacher candidates at the developing level will adapt the learning environment (through lesson plans or management plans) to accommodate the differing needs and diversity of students.

Teacher candidates at the developing level will modify lesson plans/lesson delivery to respond to preconceptions or misconceptions.

Teacher candidates at the developing level will relate and integrate the subject matter with other disciplines and life experience to deliver engaging and challenging lessons.

Teacher candidates at the developing level will differentiate instructional plans based on an assessment of student learning needs and recognition of individual differences in students.

Teacher candidates at the developing level will design lesson plans/assessment reports to modify assessments and testing conditions to accommodate learning styles and varying levels of knowledge.

Teacher candidates at the developing level will design assessment reports to apply technology to organize and integrate assessment information.

Teacher candidates at the developing level will engage in a targeted professional development plan and reflective practices.

Teacher candidates at the synthesis level will implement knowledge and skills learned in professional development in the teaching and learning process through lesson plans/narrative reflection.

Teacher candidates at the developing level will identify ethical and moral behavior which adheres to the Code of Conduct illustrated in a classroom vignette/case study through their written reflection.

Teacher candidates at the developing level will analyze the relationship between the NEA and State of Florida Code of Ethics through written reflection.

### ***Synthesis***

Teacher candidates at the synthesis level will sequence lessons and concepts to ensure coherence and required prior knowledge in lesson plans.

Teacher candidates at the synthesis level will select appropriate formative assessments to monitor learning in lesson plans/case study.

Teacher candidates at the synthesis level will convey high expectations to all students in lesson plans/observations.

Teacher candidates at the synthesis level will model clear, acceptable oral and written communication skills in lesson plans and lesson observations.

Teacher candidates at the synthesis level will utilize current and emerging assistive technologies that enable students to participate in high-quality communication interactions and achieve their educational goals in (lesson plans and lesson observations).

Teacher candidates at the synthesis level will deepen and enrich students' understanding through content area literacy strategies, verbalization of thought, and application of the subject matter in lesson plans/observation.

Teacher candidates at the synthesis level will identify gaps in students' subject matter knowledge in lesson plans and/or assessment plan and/or narrative reflection.

Teacher candidates at the synthesis level will employ higher-order questioning techniques in lesson plans and/or lesson observations.

Teacher candidates at the synthesis level will complete an assessment report/lesson plans to design and align formative and summative assessments that match learning objectives and lead to mastery.

Teacher candidates at the synthesis level will use a variety of assessment tools to monitor student progress, achievement and learning gains in an assessment report/case study.

Teacher candidates at the synthesis level will design purposeful professional goals to strengthen the effectiveness of instruction based on students' needs.

Teacher candidates at the synthesis level will engage in professional dialogue, which demonstrates respect for individual differences and fairness with all stakeholders through observation/narrative reflection.

### ***Validating***

Teacher candidates at the validating level will design a case study/narrative reflection, which uses a variety of data to evaluate learning outcomes, adjust planning and improve lesson effectiveness.

Teacher candidates at the validating level will provide learning experience through lesson plans that require students to demonstrate a variety of applicable skills and competencies.

Teacher candidates at the validating level will organize, allocate, and manage the resources of time, space, and attention within lesson delivery (lesson plan/observation).

Teacher candidates at the validating level will manage individual and class behaviors through a well-planned management system (management plan/observation).

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Teacher candidates at the validating level will utilize student feedback to monitor instructional needs and to adjust instruction through reflective analysis.

Teacher candidates at the validating level will design a case study/assessment report, which analyzes and applies data from multiple assessments and measures to diagnose students' learning needs, informs instruction based on those needs, and drives the learning process.

Teacher candidates at the validating level will construct written reports to share the importance and outcomes of student assessment data with the student and the student's parent/caregiver(s).

Teacher candidates at the validating level will examine and use data-informed research to improve instruction and student achievement through case study/intervention plan implementation.

Teacher candidates at the validating level will collaborate with the home, school and larger communities to foster communication and to support student learning and continuous improvement through narrative reflection.

Teacher candidates at the validating level will demonstrate professional dispositions through adherence to professional, legal, and ethical responsibility with all stakeholders through observation/narrative reflection.

**Graduation Requirements:** This degree program requires at least **129** semester hours for completion.

#### Freshman Year

<u>First Semester</u>			<u>Second Semester</u>		
ENG 101	Clg. Writing I	3	ENG 102	Clg. Writing II	3
MAT 110	Intermediate Algebra	3	MAT 114	Finite Mathematics	3
COM 103	Intro to Pub Spkg	3	BIO 101	Biological Science	3
ENV 131	Earth Science	3	BIO 131	Bio. Sci. Lab	1
FMU 101	Ed. & Life Seminar	3	HIS 103	Afr. Amer History	3
			REA 101	Crit. Thnk & Rdg or	3
			ENG 111	First Yr. Lit	3
		15			16

#### Sophomore Year

<u>First Semester</u>			<u>Second Semester</u>		
EDU 308	Afr. Amer Liter	3	EDU 203	Psy/Soc Foun of Ed	3
REL 201	Intro to Philosophy	3	HIS 200	History of the USA	3
PSY 200	Intro to Psych	3	ENG 212	Ethnic Literature	3
PSC 101	Physical Science	3	EDU 206	Tchg in M/S	3
MAT 111	College Algebra	3	EDU 205	Multicultural Div.	3
PED 110	Dim. Of Wellness	2	DRA 200	Drama Appreciation	3
		17			18

#### Junior Year

<u>First Semester</u>			<u>Second Semester</u>		
ENG 303	British Literature	3	EDU 411	Diag & Rem	3
ENG 316	Afr. Am Wom Wri	3	ENG 315	Adol. Lit	3
ENG 309	Adv. Gram & Comp	3	ESO 403	Mthds of Tchg ESOL	3
EDU 331	Instructional Tech	3	EDU 439	Tsts and Msmts	3
EDU 427	Tch Lang Arts/Lit	3	ENG 444	Mythology	3
EDU 313	Pre-Student Tchg	1	EDU 314	Pre-Stud Teaching	1
EDU 308	Tchg Rdg in E/S	3			
		16			16

#### Senior Year

<u>First Semester</u>			<u>Second Semester</u>		
EDU 426	Content Reading	3	EDU 450	Internship	9
EDU 429	Tchg Rem Rdg	3	EDU 432	Practicum in Rdg	3
ENG 460	Applied Ling.	3			

EDU 418 Mtd of Tch Eng M/S	3
EDU 315 Pre-Student Tchg	1
EDU 408 Clsm. Beh. Mgmt	3
ENG 405 Creative Writing	3
	19

12

### *Bachelor of Science in*

## **MIDDLE GRADES MATHEMATICS EDUCATION (5-9)**

The major in Middle Grades Mathematics Education is designed to provide mathematics education majors with education theory, content knowledge, pedagogical skills, and management principles and practices. Students who complete this major are prepared for further study at the graduate level, for professional school or teaching at the middle grade level. This degree program requires at least 131 credits hours for completion. **In order to complete the degree in four years, students must take more than 15 credits a semester or attend at least one summer session.**

### **STUDENT LEARNING OUTCOMES**

#### *Developing*

Teacher candidates at the developing level will use lesson plans to align instruction with state-adopted standards at the appropriate level of rigor.

Teacher candidates at the developing level will design lesson plans for students to achieve mastery.

Teacher candidates at the developing level will use (lesson plans, management plans) to illustrate respect of students' cultural, linguistic and family background.

Teacher candidates at the developing level will design lesson plans/communication resource lists to integrate current information and communication technologies.

Teacher candidates at the developing level will adapt the learning environment (through lesson plans or management plans) to accommodate the differing needs and diversity of students.

Teacher candidates at the developing level will modify lesson plans/lesson delivery to respond to preconceptions or misconceptions.

Teacher candidates at the developing level will relate and integrate the subject matter with other disciplines and life experience to deliver engaging and challenging lessons.

Teacher candidates at the developing level will differentiate instructional plans based on an assessment of student learning needs and recognition of individual differences in students.

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Teacher candidates at the developing level will design assessment reports to apply technology to organize and integrate assessment information.

Teacher candidates at the developing level will engage in a targeted professional development plan and reflective practices.

Teacher candidates at the synthesis level will implement knowledge and skills learned in professional development in the teaching and learning process through lesson plans/narrative reflection.

Teacher candidates at the developing level will identify ethical and moral behavior which adheres to the Code of Conduct illustrated in a classroom vignette/case study through their written reflection.

Teacher candidates at the developing level will analyze the relationship between the NEA and State of Florida Code of Ethics through written reflection.

### *Synthesis*

Teacher candidates at the synthesis level will sequence lessons and concepts to ensure coherence and required prior knowledge in lesson plans.

Teacher candidates at the synthesis level will select appropriate formative assessments to monitor learning in lesson plans/case study.

Teacher candidates at the synthesis level will convey high expectations to all students in lesson plans/observations.

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Teacher candidates at the synthesis level will design purposeful professional goals to strengthen the effectiveness of instruction based on students' needs.

Teacher candidates at the synthesis level will engage in professional dialogue, which demonstrates respect for individual differences and fairness with all stakeholders through observation/narrative reflection.

### ***Validating***

Teacher candidates at the validating level will design a case study/narrative reflection, which uses a variety of data to evaluate learning outcomes, adjust planning and improve lesson effectiveness.

Teacher candidates at the validating level will provide learning experience through lesson plans that require students to demonstrate a variety of applicable skills and competencies.

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Teacher candidates at the validating level will demonstrate professional dispositions through adherence to professional, legal, and ethical responsibility with all stakeholders through observation/narrative reflection.

**Freshman Year**

**First Semester**

FMU 101	University 101*	3
ENG 101	College Writing I	3
MAT 111	College Algebra	3
BIO 130	Prin of Biology	3
BIO 131	Prin of Bio Lab I	1
REA 101	Crit Think and Rdg	3

or

ENG 111	First Yr. Lit	16
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**Second Semester**

ENG 102	College Writing II	3
MAT 112	Pre-Calculus	3
MAT 113	Clg. Trigonometry	3
PHY 110	Gen. Physics	3
PHY 111	Gen. Physics Lab	1
HIS 103	Afr. Amer. History	3

16

**Sophomore Year**

**First Semester**

COM 103	Intro to Pub Spkg	3
ENV 131	Earth Science	3
MAT 201	Calculus	3
MAT 205	Prob & Stats	3
PSY 200	Intro to Psychology	3
— —	Fine Arts Req	3
		18

**Second Semester**

REL 201	Intro to Philosophy	3
MAT 202	Calculus II	3
MAT 210	Discrete Math	3
HIS 200	History of USA	3
EDU 203	Psy/Soc Found Edu.	3
PED 110	Dim. of Wellness	2
		17

**Junior Year**

**First Semester**

MAT 305	Clg. Geometry	3
— —	Program Language	3
MAT 307	Number Theory	3
EDU 205	Multicultural Div	3
EDU 206	Tchg in M/S Sch	3
EDU 313	Pre-Student Tchg	1
EDU 308	Tchg, Reading in Ele	3
		19

**Second Semester**

— —	Social Science Req.***	3
EDU 426	Content Reading	3
— —	App Math Elective	3
MAT 303	Hist of Math	3
EDU 331	Instructional Tech	3
EDU 314	Pre-Student Tchg	1
ESO 402	Mthds of Tchg ESOL	3
		19

**Senior Year**

**First Semester**

— —	Approve Math Elec	3
— —	Approve Math Elec	3
EDU 439	Tst and Msmts	3
EDU 408	Clrm Beh. Mgmt	3
EDU 422	Tchg Math M Sch	3
EDU 315	Pre-Student Techg	1
		16

**Second Semester**

EDU 450	Internship	9
— —	Literature Requirement	3
		12

*Bachelor of Science in*

**MIDDLE GRADES SCIENCE (5-9)**

The major in Middle Grades General Science 5-9 provides students with strong content knowledge, educational theory and practice, methods of teaching, and management principles and practices. Students who complete this major are prepared to teach students from diverse backgrounds and for further study at the graduate or professional school level. This degree program requires 127 credit hours for completion. **In order to complete the degree in four years, student must take more than 15 credits a semester or attend at least one summer session.**

**STUDENT LEARNING OUTCOMES**

*Developing*

Teacher candidates at the developing level will use lesson plans to align instruction with state-adopted standards at the appropriate level of rigor.

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Teacher candidates at the validating level will demonstrate professional dispositions through adherence to professional, legal, and ethical responsibility with all stakeholders through observation/narrative reflection.

#### **Freshman Year**

##### **First Semester**

FMU 101	University 101*	3
ENG 101	Clg. Writing I	3

##### **Second Semester**

ENG 102	Clg Writing II	3
MAT 112	Pre-Calculus	3

MAT 111	Clg. Algebra	3	BIO 130	Prin of Biology	3
COM 103	Intro to Pub Spkg	3	BIO 131	Prin of Bio Lab	1
ENV 131	Earth Science	<u>3</u>	HIS 103	Afr. Amer History	3
			REA 101	Crit Think & Rdg or	<u>3</u>
			ENG 111	First Yr. Lit	<u>3</u>
		15			16

### **Sophomore Year**

#### **First Semester**

_____	Lit. Req.	3
CHE 110	General Chemistry	4
CHE 111	Gen Chemistry Lab	1
PSY 200	Intro to Psychology	3
PSC 101	Physical Science	3
MAT 305	General Geometry	<u>3</u>
		17

#### **Second Semester**

PED 110	Dim of Wellness	2
HIS 200	History of USA	3
EDU 203	Psy/Soc Found of Ed	3
EDU 205	Multicultural Div	3
EDU 206	Tchg in Mid/Sec Sch	3
REL 201	Intro to Phil	<u>3</u>
		17

### **Junior Year**

#### **First Semester**

_____	Major Science Req	3
EDU 313	Pre-Student Tchg	1
BIO 204	Gen Zoology	3
BIO 205	Gen Zoology Lab	1
PHY 201	Clg Physics	3
PHY 202	Clg Physics Lab	1
_____	Social Science Req.	3
		15

#### **Second Semester**

EDU 314	Pre-Student Tchg.	1
BIO 320	Ecology	3
BIO 321	Ecology Lab	1
BIO 206	Gen Botany	3
BIO 207	Gen Botany Lab	1
EDU 331	Instructional Tech	3
EDU 426	Content Reading .	3
EDU 308	Teaching Rdg. In Ele,	3
		18

### **Senior Year**

#### **First Semester**

EDU 408	Clstrm Beh Mgmt	3
EDU 419	Tchg Science in M/S	3
EDU 439	Test & Msmts	3
EDU 315	Pre-Student Tchg	1
BIO 310	Genetics	3
BIO 311	Genetics Lab	1
ESO 402	Mthds of Tchg ESOL	3
		17

#### **Second Semester**

EDU 450	Internship	9
_____	Fine Arts Requirement	<u>3</u>
		12

**\*Education majors who have completed two years of a foreign language in high school with a GPA of 2.0 or higher are exempted from the University's foreign language requirements.**

### *Bachelor of Science*

## **MUSIC EDUCATION K-12**

The major in Music Education provides students with educational theory, methods of teaching and management principles and practices. This teacher preparation program has a broad

foundation in many academic areas and specialization in all general areas of music. Students who complete this major are prepared for further study at the graduate or professional level. **This degree program requires a minimum of 134 semester hours and may require an additional semester for completion.**

## STUDENT LEARNING OUTCOMES

### *Developing*

Teacher candidates at the developing level will use lesson plans to align instruction with state-adopted standards at the appropriate level of rigor.

Teacher candidates at the developing level will design lesson plans for students to achieve mastery.

Teacher candidates at the developing level will use (lesson plans, management plans) to illustrate respect of students' cultural, linguistic and family background.

Teacher candidates at the developing level will design lesson plans/communication resource lists to integrate current information and communication technologies.

Teacher candidates at the developing level will adapt the learning environment (through lesson plans or management plans) to accommodate the differing needs and diversity of students.

Teacher candidates at the developing level will modify lesson plans/lesson delivery to respond to preconceptions or misconceptions.

Teacher candidates at the developing level will relate and integrate the subject matter with other disciplines and life experience to deliver engaging and challenging lessons.

Teacher candidates at the developing level will differentiate instructional plans based on an assessment of student learning needs and recognition of individual differences in students.

Teacher candidates at the developing level will design lesson plans/assessment reports to modify assessments and testing conditions to accommodate learning styles and varying levels of knowledge.

Teacher candidates at the developing level will design assessment reports to apply technology to organize and integrate assessment information.

Teacher candidates at the developing level will engage in a targeted professional development plan and reflective practices.

Teacher candidates at the synthesis level will implement knowledge and skills learned in professional development in the teaching and learning process through lesson plans/narrative reflection.

Teacher candidates at the developing level will identify ethical and moral behavior which adheres to the Code of Conduct illustrated in a classroom vignette/case study through their written reflection.

Teacher candidates at the developing level will analyze the relationship between the NEA and State of Florida Code of Ethics through written reflection.

### *Synthesis*

Teacher candidates at the synthesis level will sequence lessons and concepts to ensure coherence and required prior knowledge in lesson plans.

Teacher candidates at the synthesis level will select appropriate formative assessments to monitor learning in lesson plans/case study.

Teacher candidates at the synthesis level will convey high expectations to all students in lesson plans/observations.

Teacher candidates at the synthesis level will model clear, acceptable oral and written communication skills in lesson plans and lesson observations.

Teacher candidates at the synthesis level will utilize current and emerging assistive technologies that enable students to participate in high-quality communication interactions and achieve their educational goals in (lesson plans and lesson observations).

Teacher candidates at the synthesis level will deepen and enrich students' understanding through content area literacy strategies, verbalization of thought, and application of the subject matter in lesson plans/observation.

Teacher candidates at the synthesis level will identify gaps in students' subject matter knowledge in lesson plans and/or assessment plan and/or narrative reflection.

Teacher candidates at the synthesis level will employ higher-order questioning techniques in lesson plans and/or lesson observations.

Teacher candidates at the synthesis level will complete an assessment report/lesson plans to design and align formative and summative assessments that match learning objectives and lead to mastery.

Teacher candidates at the synthesis level will use a variety of assessment tools to monitor student progress, achievement and learning gains in an assessment report/case study.

Teacher candidates at the synthesis level will design purposeful professional goals to strengthen the effectiveness of instruction based on students' needs.

Teacher candidates at the synthesis level will engage in professional dialogue, which demonstrates respect for individual differences and fairness with all stakeholders through observation/narrative reflection.

### *Validating*

Teacher candidates at the validating level will design a case study/narrative reflection, which uses a variety of data to evaluate learning outcomes, adjust planning and improve lesson effectiveness.

Teacher candidates at the validating level will provide learning experience through lesson plans that require students to demonstrate a variety of applicable skills and competencies.



Teacher candidates at the validating level will organize, allocate, and manage the resources of time, space, and attention within lesson delivery (lesson plan/observation).

Teacher candidates at the validating level will manage individual and class behaviors through a well-planned management system (management plan/observation).

Teacher candidates at the validating level will maintain a climate of openness, inquiry, fairness, and support (observation).

Teacher candidates at the validating level will apply varied instructional strategies and resources, including technology, to provide comprehensible instruction, and to teach for student understanding through lesson plans and observations.

Teacher candidates at the validating level will support, encourage, and provide immediate and specific feedback to students to promote student achievement through lesson observations.

Teacher candidates at the validating level will utilize student feedback to monitor instructional needs and to adjust instruction through reflective analysis.

Teacher candidates at the validating level will design a case study/assessment report, which analyzes and applies data from multiple assessments and measures to diagnose students' learning needs, informs instruction based on those needs, and drives the learning process.

Teacher candidates at the validating level will construct written reports to share the importance and outcomes of student assessment data with the student and the student's parent/caregiver(s).

Teacher candidates at the validating level will examine and use data-informed research to improve instruction and student achievement through case study/intervention plan implementation.

Teacher candidates at the validating level will collaborate with the home, school and larger communities to foster communication and to support student learning and continuous improvement through narrative reflection.

Teacher candidates at the validating level will demonstrate professional dispositions through adherence to professional, legal, and ethical responsibility with all stakeholders through observation/narrative reflection.

**Freshman Year**

**First Semester**

ENG 101	College Writing I	3
MAT 110	Inter. Algebra	3
FMU 101	University 101*	3
MUS 101	Struc. Of Mus I	3
MUS ____	Major App Instr	1
MUS 243	Brasswind Techs	1
MUS 104	Class Piano I	1
MUS ____	Required Ensemble	1
MSU 300	Music Sem/Rect	0

16

**Second Semester**

ENG 102	College Writing II	3
MAT 111	College Algebra	3
REA 101	Crit Think and Rdg or	3
ENG 111	First Yr. Lit	
MUS 102	Struct Music II	3
MUS ____	Maj. App Instr	1
MUS 247	Woodwind Tech	1
MUS 104	Class Piano II	1
MUS ____	Req Ensemble	1
MUS 300	Mus Sem/Rect	0

16



**Sophomore Year**

**First Semester**

MAT 114	Finite Math	3
PSY 200	Intro to Psychology	3
MUS 209	History of Music I	3
MUS 201	Struct of Music III	3
MSU 111	Sight Sing/Ear I	3
MUS ____	App Major Instr	1
MUS 257	String Tech	1
EDU 313	Pre-Student Tchg	1
____ Req	Ensemble	1
MUS 300	Music Sem/Rec	<u>0</u>
		18

**Second Semester**

MUB 311	Comp and Music	3
HIS 200	History of USA	3
MUS 210	His of Music II	3
MUS 203	Struc of Music IV	3
MUS 211	Sight Sing/Ear II	3
MSU ____	App Major Instr	1
MUS 267	Percussion Tech	1
EDU 314	Pre-Student Tchg	1
____ Required	Ensemble	1
MUS 300	Mus Sem/ Rec	<u>0</u>
		18

**Junior Year**

**First Semester**

COM 103	Intro to Prof Spkg	3
REL 201	Intro to Philosophy	3
ENV 131	Earth Science	3
MUS 291	Music Criticism	3
MUS 209	His. Of Music III	3
MUS ____	Applied Elective	2
____	Ensemble Elective	1
EDU 313	Pre-Student Tchg	<u>1</u>
		19

**Second Semester**

EDU 203	Psy/Soc Found Ed	3
ESO 402	Mthd Tchg ESOL	3
EDU 205	Multicultural Div.	3
PSC 101	Physical Science	3
EDU 426	Content Reading	3
MUS 312	Conducting	3
MUS 238	Vocal Tech	<u>1</u>
		19

**Senior Year**

**First Semester**

BIO 101	Biological Science	3
BIO 131	Prin of Bio Lab	1
EDU 431	Tchg Music in K-12	3
EDU 439	Tst and Msmts	3
EDU 408	Clstrm Beh Mgmt	3
EDU 308	Teach Rea/E/S	<u>3</u>
		16

**Second Semester**

EDU 450	Internship	9
MUS ____	Major Applied	2
MUS ____	Ensemble Elec	<u>1</u>
		12

*Bachelor of Science in*

**PHYSICAL EDUCATION K-12**

The major in Physical Education is designed to prepare students to develop technical skills and knowledge in physical education while emphasizing the psychomotor domain. Students who complete one of the physical education majors are prepared to teach or to do advance study. This degree program requires 130 credit hours for completion. **In order to complete the degree in four years, students must take more than 15 credits a semester or attend at least one summer session.**

## **STUDENT LEARNING OUTCOMES**

### *Developing*

Teacher candidates at the developing level will use lesson plans to align instruction with state-adopted standards at the appropriate level of rigor.

Teacher candidates at the developing level will design lesson plans for students to achieve mastery.

Teacher candidates at the developing level will use (lesson plans, management plans) to illustrate respect of students' cultural, linguistic and family background.

Teacher candidates at the developing level will design lesson plans/communication resource lists to integrate current information and communication technologies.

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Teacher candidates at the developing level will modify lesson plans/lesson delivery to respond to preconceptions or misconceptions.

Teacher candidates at the developing level will relate and integrate the subject matter with other disciplines and life experience to deliver engaging and challenging lessons.

Teacher candidates at the developing level will differentiate instructional plans based on an assessment of student learning needs and recognition of individual differences in students.

Teacher candidates at the developing level will design lesson plans/assessment reports to modify assessments and testing conditions to accommodate learning styles and varying levels of knowledge.

Teacher candidates at the developing level will design assessment reports to apply technology to organize and integrate assessment information.

Teacher candidates at the developing level will engage in a targeted professional development plan and reflective practices.

Teacher candidates at the synthesis level will implement knowledge and skills learned in professional development in the teaching and learning process through lesson plans/narrative reflection.

Teacher candidates at the developing level will identify ethical and moral behavior which adheres to the Code of Conduct illustrated in a classroom vignette/case study through their written reflection.

Teacher candidates at the developing level will analyze the relationship between the NEA and State of Florida Code of Ethics through written reflection.

## **Synthesis**

Teacher candidates at the synthesis level will sequence lessons and concepts to ensure coherence and required prior knowledge in lesson plans.

Teacher candidates at the synthesis level will select appropriate formative assessments to monitor learning in lesson plans/case study.

Teacher candidates at the synthesis level will convey high expectations to all students in lesson plans/observations.

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Teacher candidates at the synthesis level will utilize current and emerging assistive technologies that enable students to participate in high-quality communication interactions and achieve their educational goals in (lesson plans and lesson observations).

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Teacher candidates at the synthesis level will design purposeful professional goals to strengthen the effectiveness of instruction based on students' needs.

Teacher candidates at the synthesis level will engage in professional dialogue, which demonstrates respect for individual differences and fairness with all stakeholders through observation/narrative reflection.

## **Validating**

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Teacher candidates at the validating level will collaborate with the home, school and larger communities to foster communication and to support student learning and continuous improvement through narrative reflection.

Teacher candidates at the validating level will demonstrate professional dispositions through adherence to professional, legal, and ethical responsibility with all stakeholders through observation/narrative reflection.

#### **Freshman Year**

##### **First Semester**

ENG 101	College Writing I	3
PED 110	Dim of Wellness	2
MAT 110	Intermediate Algebra	3
FMU 101	University 101*	3
BIO 101	Biological Science	3
PED 210/212	Adv. Swim	<u>1</u>

##### **Second Semester**

ENG 102	College Writing II	3
REA 101	Crit Think/Rdg or	3
ENG 111	First Yr. Lit	
MAT 111	College Algebra	3
PSC 101	Physical Science	3
HIS 103	Af. Am. His	3
COM 103	Intro to Pub Spkg	<u>3</u>

15

18

**Sophomore Year**

**First Semester**

PSY 200	Intro to Psy	3
MAT 114	Finite Mat	3
EDU 203	Psy/ Soc Found ED	3
REL 201	Intro to Philosophy	3
HIS 200	History of USA	3
ENV 131	Earth Science	<u>3</u>
		18

**Second Semester**

EDU 206	Tchg in M/S	3
PED 301	His & Phy of Spts	3
BIO 200	Hum Ana & Phys	3
BIO 201	Hum Ana Lab	1
EDU 205	Mul. Cu Div.	3
PED 316	Prin & Ana Tm Spts	<u>2</u>
		15

**Junior Year**

**First Semester**

PED 301	His & Phi Team Sports	3
EDU 313	Pre-Student Tchg	1
EDU 426	Content Reading	3
PED 322	Theory/Coaching	3
PED 323	Indv & Grup Act	2
PED 403	Ada/Corr. P.E.	3
EDU 331	Instru. Tech	<u>3</u>
		18

**Second Semester**

PED 410	Care & Prevention	3
ESO 402	Mthd of Tch ESOL	3
PED 408	Kinesiology	3
EDU 314	Pre-Student Tchg	1
PED 401	Org & Admin P.E	3
PED 308	Mvmt. Skills & Dance	2
PED 407	Excer Physiology	<u>3</u>
		18

**Senior Year**

**First Semester**

EDU 412	Tchg PE in K-12	3
EDU 439	Tst. & Msmts	3
PED 411	Psychomotor Lrng	3
EDU 315	Pre-Student Tchg	1
EDU 408	Clstrm Beh Mgmt	3
EDU 426	Content Reading	<u>3</u>
		16

**Second Semester**

EDU 450	Internship	9
— —	Fine Arts Requirements	<u>3</u>
		12

*Bachelor of Science in*

**Secondary English Education /ESOL (6-12)**

The major in Secondary English Education/ESOL (6-12) provides students with a strong content knowledge base, educational theory, and practice, methods of teaching and management principles and practices. Students will also complete an endorsement in reading. Students who complete this major are prepared to teach students from diverse backgrounds and for further study at the graduate professional level. **In order to complete the degree in four years, students must take more than 15 credits a semester or attend at least one summer session.**

## STUDENT LEARNING OUTCOMES

### *Developing*

Teacher candidates at the developing level will use lesson plans to align instruction with state-adopted standards at the appropriate level of rigor.

Teacher candidates at the developing level will design lesson plans for students to achieve mastery.

Teacher candidates at the developing level will use (lesson plans, management plans) to illustrate respect of students' cultural, linguistic and family background.

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Teacher candidates at the developing level will design assessment reports to apply technology to organize and integrate assessment information.

Teacher candidates at the developing level will engage in a targeted professional development plan and reflective practices.

Teacher candidates at the synthesis level will implement knowledge and skills learned in professional development in the teaching and learning process through lesson plans/narrative reflection.

Teacher candidates at the developing level will identify ethical and moral behavior which adheres to the Code of Conduct illustrated in a classroom vignette/case study through their written reflection.

Teacher candidates at the developing level will analyze the relationship between the NEA and State of Florida Code of Ethics through written reflection.

### *Synthesis*

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Teacher candidates at the synthesis level will select appropriate formative assessments to monitor learning in lesson plans/case study.

Teacher candidates at the synthesis level will convey high expectations to all students in lesson plans/observations.

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Teacher candidates at the synthesis level will complete an assessment report/lesson plans to design and align formative and summative assessments that match learning objectives and lead to mastery.

Teacher candidates at the synthesis level will use a variety of assessment tools to monitor student progress, achievement and learning gains in an assessment report/case study.

Teacher candidates at the synthesis level will design purposeful professional goals to strengthen the effectiveness of instruction based on students' needs.

Teacher candidates at the synthesis level will engage in professional dialogue, which demonstrates respect for individual differences and fairness with all stakeholders through observation/narrative reflection.

### ***Validating***

Teacher candidates at the validating level will design a case study/narrative reflection, which uses a variety of data to evaluate learning outcomes, adjust planning and improve lesson effectiveness.

Teacher candidates at the validating level will provide learning experience through lesson plans that require students to demonstrate a variety of applicable skills and competencies.

Teacher candidates at the validating level will organize, allocate, and manage the resources of time, space, and attention within lesson delivery (lesson plan/observation).

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Teacher candidates at the validating level will examine and use data-informed research to improve instruction and student achievement through case study/intervention plan implementation.

Teacher candidates at the validating level will collaborate with the home, school and larger communities to foster communication and to support student learning and continuous improvement through narrative reflection.

Teacher candidates at the validating level will demonstrate professional dispositions through adherence to professional, legal, and ethical responsibility with all stakeholders through observation/narrative reflection.

## **Graduation Requirements**

This degree program requires 129 semester hours for completion.

### **Freshman Year**

#### **First Semester**

ENG 101	College Writing I	3
ENV 131	Earth Science	3
MAT 101	College Math 1	3
FMC 101	Ed & Life Seminar*	3
PED 110	Dim. Of Wellness	2
COM 103	Intro to Pub Speak	<u>3</u>
		17

#### **Second Semester**

ENG 102	College Writing II	3
BIO 101	Biological Science	3
BIO 131	Biological Sci. Lab	1
REA 101	Crit Think/ Rdg or	
ENG 111	First Yr. Lit.	3
HIS 103	Afr. Amer. His	3
MAT 105	Interg. Mth.	<u>3</u>
		16

### **Sophomore Year**

#### **First Semester**

ENG 212	Ethnic Literature	3
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#### **Second Semester**

HIS 200	History of USA	3
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REL 201	Intro to Philosophy	3	EDU 203	Psy/Soc Found	3
PSY 200	Intro. Psychology	3	ENG 308	Afr. Amer. Lit	3
PSC 101	Physical Science	3	EDU 206	Tchg. Mid/Sch	3
MAT 111	College Algebra	<u>3</u>	EDU 205	Multicultural Div.	3
		15	DRA 200	Drama Apprec.	<u>3</u>
					18

**Junior Year**

**First Semester**

ENG 303	British Literature	3
ENG 309	Adv. Gram. & Com	3
ENG 316	Afr. Amer. Women Writ.	3
EDU 331	Instru. Tech	3
EDU 313	Pre-Stud Tchg	3
EDU 427	Tch Lang Arts	<u>3</u>
		16

**Second Semester**

EDU 308	Tchg Rdg in E/S	3
ENG 315	Adolescent Lit	3
ESO 402	Mthds of Tchg	3
EDU 439	Tsts & Msmts	3
ENG 444	Mythology	3
EDU 426	Content Reading	3
EDU 314	Pre-Stud Tchg	<u>1</u>
		19

**Senior Year**

**First Semester**

ENG 460	Applied Linguistics	3
EDU 429	Rem. Tchg in Reading	3
EDU 408	Clstrm Beh Mgnt	3
EDU411	Diag & Rem	3
EDU 418	Met. Of Tchg Eng M/S	3
EDU 315	Pre-Stud. Tchg	<u>1</u>
		16

**Second Semester**

EDU 450	Internship	9
EDU 405	Creative Writing	3
EDU 432	Reading Practicum	<u>3</u>
		15

***Bachelor of Science in***

**SECONDARY MATHEMATICS EDUCATION (6-12)**

The major in Secondary Mathematics Education is designed to provide mathematics education majors with education theory, content knowledge, pedagogical skills, and management principles and practices. Students who complete this major are prepared for further study at the graduate level, for professional school or teaching at the secondary level. This degree program requires at least 133 credits hours for completion. **In order to complete the degree in four years, students must take more than 15 credits a semester or attend at least one summer session.**

**STUDENT LEARNING OUTCOMES**

***Developing***

Teacher candidates at the developing level will use lesson plans to align instruction with state-adopted standards at the appropriate level of rigor.

Teacher candidates at the developing level will design lesson plans for students to achieve mastery.

Teacher candidates at the developing level will use (lesson plans, management plans) to illustrate respect of students' cultural, linguistic and family background.

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Teacher candidates at the synthesis level will implement knowledge and skills learned in professional development in the teaching and learning process through lesson plans/narrative reflection.

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### ***Synthesis***

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Teacher candidates at the validating level will demonstrate professional dispositions through adherence to professional, legal, and ethical responsibility with all stakeholders through observation/narrative reflection.

#### Freshman Year

##### First Semester

FMU 101	University 101*	3
ENG 101	College Writing I	3
MAT 111	College Algebra	3
BIO 130	Prin of Biology	3
BIO 131	Prin of Bio Lab I	1
REA 101	Crit Think and Rdg	<u>3</u>
	Or	
ENG 111	First Yr. Lit	
		16

##### Second Semester

ENG 102	College Writing II	3
PED 110	Dim of Wellness	2
MAT 112	Pre Calculus	3
COM 103	Intro to Pub Spkg	3
PHY 110	Gen. Physics	3
PHY 111	Gen. Physics Lab	1
HIS 103	Afr. Amer. History	<u>3</u>
		18

#### Sophomore Year

##### First Semester

HIS 200	History of USA	3
ENV 131	Earth Science	3
MAT 113	Trigonometry	3
MAT 205	Prob & Stats	3
PSY 200	Intro to Psychology	3
— —	Fine Arts Req	<u>3</u>
		18

##### Second Semester

REL 201	Intro to Philosophy	3
MAT 201	Calculus I	3
MAT 210	Discrete Mth	3
HIS 200	History of USA	3
EDU 203	Psy/Soc Found Edu	3
EDU 206	Tea in M/S Sch	<u>3</u>
		18

#### Junior Year

##### First Semester

MAT 202	Clg. Calculus II	3
— —	Program Language	3
MAT 307	Number Theory	3
MAT 303	Hist of Math	3
— —	Approve Math Elec	3

##### Second Semester

ES0 402	Met of Teach ESOL	3
EDU 426	Content Reading	3
EDU 205	Multicultural Div	3
MAT 301	Calculus III	3
EDU 314	Pre-Student Tchg	<u>1</u>

EDU 313	Pre-Student Tchg	1	MAT 309	Int to Modern Alg.	<u>3</u>
EDU 308	Tchg, Reading in Ele	<u>3</u>			
		19			16

#### Senior Year

##### First Semester

MAT 350	Linear Algebra	3
EDU 331	Instructional Tech	3
EDU 439	Tst and Msmts	3
EDU 408	Clstrm Beh. Mgmt	3
EDU 424	Chg Math Sec Sch	3
EDU 315	Pre-Student Techg	<u>1</u>
		16

##### Second Semester

EDU 450	Internship	9
— —	Literature Req.	<u>3</u>
		12

### Minor in Health Education

Students seeking a minor in health education will complete a minimum of 18 credit hours listed in the core curriculum below. All classes are to be selected by the student in consultation with a divisional advisor and must be completed with a grade of C or higher.

### Core Requirements

Number	Name	Credits
PED 314	Social and Community Health	3
BIO 200	Human Anatomy & Physiology	3
BIO 201	Human Anatomy & Physiology Lab	1
		3
HED 221	Nutritional Health	

Students may choose a minimum of two of the following courses:

Number	Name	Credits
PED 213	Safety & First Aid	2
PED 202	Personal Hygiene & Fitness	1
HED 211	Human Sexuality	3
HED 231	Substance Abuse	3
HED 311	Communicable Disease	3
HED 321	Environmental Health	3
HED 411	Mental & Emotional Health	3
HED 421	Consumer Health	3

Certification requirements for the following areas are also available through the division of education:

- Health Education
- Music
- Spanish
- Mathematics
- Biology
- Middle Grades General Science
- English

## COURSE DESCRIPTIONS

All course descriptions listed below are arranged alphabetically by subject area, alphabetically by prefix, and then numerically for those descriptions with the same prefix. The digits in parentheses immediately following the course titles represent the respective semester credit hours given for a course. The first digit of the course number generally indicates the classification level: 0—non-college, 1—freshman, 2—sophomore, 3—junior, 4—senior. The abbreviated codes F, Sp, Su represent the term(s) in which the course is offered, Fall, Spring and Summer, respectively.

### Subject Area Course Prefix(es)

Accounting .....	ACC
Air Force ROTC .....	AIS
Army ROTC .....	MSL
Aviation Sciences .....	AWS
Aviation Technology .....	AVT
Biology .....	BIO
Business Management .....	BUS
Chemistry .....	CHE
Chinese .....	CHI
Communications .....	COM
Computer Sciences .....	CSC
Criminal Justice .....	CRJ
Dance .....	DAN
Drama .....	DRA
Economics .....	ECO
Education .....	EDU
English for Speakers of Other Languages .....	ESOL
English .....	ENG
English as a Second Language .....	ESL
Environmental Studies .....	ENV
Exceptional Student Education .....	ESE
Finance .....	FIN
Flight Education .....	AVT
French .....	FRE
General Education .....	CLS, FMU, REA
History .....	HIS
Geography .....	GEO
Health Education .....	HED
Honors .....	ENG, MAT, SEM, HIS, SCI, RSC
Human Resource Management .....	HRM
Marketing .....	MAR
Mathematics .....	MAT
Music .....	MUS
Music Business .....	MUB
Philosophy .....	PHI
Physical Education .....	PED
Physical Science .....	PSC
Physics .....	PHY
Political Science .....	POL
Portfolio Seminar .....	POR
Pre-College/Development Studies .....	DSE, DSM, DSR
Pre-Engineering .....	PEG

Psychology .....	PSY
Public Administration .....	PAD
Reading.....	REA
Religion.....	REL
Safety.....	SAF
Social Sciences.....	SSC
Social Work .....	SOW
Sociology .....	SOC
Spanish .....	SPA
Theatre .....	THE
Visual Arts.....	ART

## Accounting

### ACC 211 Principles of Accounting I (3)

F, Sp, Su

*Prerequisite:* MAT 110 or MAT 111. A study of basic accounting concepts essential to recording business transactions, preparing financial statements, and interpreting data for financial decisions

### ACC 212 Principles of Accounting II (3)

F, Sp, Su

*Prerequisite:* ACC 211. A continuation of ACC 211 and the study of basic accounting concepts essential to recording business transactions, preparing financial statements, and interpreting data for financial decisions.

### ACC 311 Intermediate Accounting I (3)

F, Sp

*Prerequisite:* ACC 212. An in-depth analysis of the underlying concepts of external financial reporting including the preparation and presentation of financial statements.

### ACC 312 Intermediate Accounting II (3)

Sp, Su

*Prerequisite:* ACC 311. A continuation of ACC 311 and the in-depth analysis of the underlying concepts of external financial reporting including the preparation and presentation of financial statements.

### ACC 352 Managerial Accounting (3)

F, Sp, Su

*Prerequisite:* ACC 212. A study of the preparation, analysis, and interpretation of accounting data for management decision-making. The use of computer applications is emphasized.

### ACC 411 Advanced Accounting (3)

F

*Prerequisite:* ACC 312. A study of the theory and practice of accounting for business combinations, multinational enterprises, governmental, and not-for-profit entities.

**ACC 431 Auditing I (3)**

**F**

*Prerequisite:* ACC 312. A study of auditing and attestation standards and procedures. Ethics, the responsibilities of auditors, the collection of evidence, and reporting are examined.

**ACC 432 Auditing II (3)**

**Sp**

*Prerequisite:* ACC 431. A continuation of Auditing I with an in-depth review of internal control, the audit program, and audit procedures. Computer applications are applied to various audit problems.

**ACC 434 Federal Income Tax I (3)**

**F**

*Prerequisite:* ACC 312. A study of federal income taxation with an emphasis on the taxation of individuals. A comprehensive individual income tax return is prepared. Income tax planning and tax research are introduced.

**ACC 435 Federal Income Tax II (3)**

**Sp**

*Prerequisite:* ACC 434. A study of the taxation of partnerships, corporations, estates and trusts, and not-for-profit entities. Income tax research is emphasized. Comprehensive income tax returns are prepared.

**ACC 452 Cost Accounting (3)**

**Sp**

*Prerequisite:* ACC 212. A study of the procedures and principles of cost accounting. Emphasis is on the accumulation, reporting, and use of cost information for purposes of managerial decision-making.

**ACC 454 Computer Accounting (Senior Project) (3)**

**Sp**

*Prerequisite:* ACC 212 and CSC 101. This course features the use of accounting software in the application of accounting principles with emphasis on new microcomputer technology, database management, general ledger, and spreadsheet analysis.

**ACC 455 International Accounting (3)**

**F**

*Prerequisite:* ACC 312 or Advisor's Recommendation. A study of international accounting standards, efforts to harmonize accounting standards, problems of accounting for multinational companies, and a comparative analysis of accounting practices in different countries.

**ACC 461 Governmental and Nonprofit Accounting (3)**

**F**

*Prerequisite:* ACC 312. An analysis of the characteristics and environment of governmental and nonprofit entities, and an in-depth study of the basic concepts and standards of such entities.

**ACC 487 Seminar in Accounting (3)**

**F**

*Prerequisite:* Senior standing and approval of the Chairperson. Consideration of current issues in Accounting. Readings required from current accounting publications and other related periodicals.



## **Air Force ROTC**

### **AIS 101 – Foundations for the United States Air Force I (Lecture – 1 credit)**

Aerospace Studies 101 is designed to introduce students to the United States Air Force and Air Force Reserve Officers Training Corps. Featured topics include: Air Force heritage, military customs and courtesies, Air Force officer career opportunities, Air Force core values, interpersonal communication and team building.

### **AIS 102 – Foundations for the United States Air Force II (Lecture – 1 credit)**

This survey course briefly covers topics relating to the Air Force and defense. It focuses on the structure and missions of Air Force organizations, officership and professionalism. Also introduces effective communication skills.

### **AIS 201 – The Evolution of USAF and Space Power I (Lecture – 1 credit)**

Aerospace Studies 201 is a knowledge course designed to examine general aspects of air and space power through a historical perspective. Utilizing this perspective, the course covers a time period from the first balloons and dirigibles to the space age.

### **AIS 202 – The Evolution of USAF and Space Power II (Lecture – 1 credit)**

This survey course is concerned with the beginnings of manned flight and the development of aerospace power in the United States, including the employment of air power in WWI, WWII, Korea, Vietnam, the Gulf War and the peaceful employment of U.S. air power in civic actions, scientific missions and support of space exploration.

### **AIS 301 – Air Force Leadership Studies I (Lecture – 3 credits)**

Aerospace Studies 301 is a course designed to examine several key aspects of leadership. The course starts with a basic overview of leadership and moves into basic skills in leadership. The course also directs the cadets' attention to advanced skills in leadership and concludes with ethics in leadership.

### **AIS 302 – Air Force Leadership Studies II (Lecture – 3 credits)**

This course is a study in the anatomy of leadership, the need for quality and management leadership, the role of discipline in leadership situations and the variables affecting leadership. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts. Students will deal with actual problems and complete projects associated with planning and managing the Leadership Laboratory.

### **AIS 401 – National Security Affairs and Preparation for Active Duty I (Lecture – 3 credits)**

This course is designed to examine the national security process regional studies, advanced leadership ethics, and Air Force doctrine. In addition, students will study topics that will prepare them for their first active-duty assignment as officers in the Air Force.

### **AIS 402 – National Security Affairs and Preparation for Active Duty II (Lecture – 3 credits)**

Learn about the role of the professional military leader in a democratic society; societal attitudes toward the armed forces; the requisites for maintaining adequate national defense structure; the impact of technological and international developments on strategic preparedness and the overall policy-making process; and military law.

## **Army ROTC**

### **MSL 101 - Foundations of Officership (1), MSL 1001L Leadership Laboratory (0)**

In this course students will: examine the unique duties and responsibilities of officers; discuss the organization and role of the Army; review the basic life skills pertaining to fitness and communication; and analyze the Army values and expected ethical behavior.

### **MSL 102 - Basic Leadership (1), MSL 1002L Leadership Laboratory (0)**

In this course students will: learn the fundamental leadership concepts and doctrine; practice the basic skills that underlie effective problem solving; apply active listening and feedback skills; examine factors that influence the leader and group effectiveness; and examine the officer experience.

### **MSL 201 - Individual Leadership Studies (2) MSL 2101L Leadership Laboratory (0)**

In this course students will develop knowledge of self, self-confidence, individual leadership skills, problem solving and critical thinking skills. In addition, students will apply communication, feedback, and conflict resolution skills.

### **MSL 202 - Leadership and Teamwork (2), MSL 2102L Leadership Laboratory (0)**

In this course students will: focus on self-development guided by knowledge of self and group processes; challenge current beliefs, knowledge, and skills; and provide equivalent preparation for the ROTC Advanced Course as the Leader's Training Course.

### **MSL 301 - Leadership and Problem Solving (3), MSL 3201L Leadership Laboratory (0)**

In this course students will examine basic skills that underlie effective problem solving. In addition, students will: analyze the role officers played in the transition of the Army from Vietnam to the 21st Century; review the features and execution of the Leadership Development Program (LDP); analyze military missions and plan military operations; and execute squad battle drills.

### **MSL 302 - Leadership and Ethics (3), MSL 3202L Leadership Laboratory (0)**

In this section students will: probe leader responsibilities that foster an ethical command climate; develop cadet leadership competencies; prepare for success at Leader Development and Assessment Course (LDAC); recognize leader responsibility to accommodate subordinate spiritual needs; and apply principles and techniques of effective written and oral communication.

### **MSL 401 - Leadership and Management (3) MSL 4301L Leadership Laboratory (0)**

In this course students will: build on Leader Development and Assessment Course (LDAC) experience to solve organizational and staff problems; discuss staff organization, functions and processes; analyze counseling responsibilities and methods; examine principles of subordinate motivation and organizational change; and apply leadership and problem solving principles to the complex case study/simulation.

### **MSL 402 - Officership (3), MSL 4302L Leadership Laboratory (0)**

This capstone course is designed to explore topics relevant to second lieutenants entering the Army. In addition, students will: describe legal aspects of decision making and leadership; analyze Army organization for operations from the tactical to strategic level; assess administrative and logistics management functions; discuss reporting and permanent change of station (PCS) process; perform platoon leader actions; and examine leader responsibilities that foster an ethical command climate.

**MSL 440 - United States Military History (3)**

This course examines the Military Heritage of the United States from colonial wars to the present as well as focuses on the operational and strategic levels of warfare.

**MSL 490 - Miscellaneous, Supervised and/or Independent Study (1-3)**

This course entails supervised reading and an independent study of United States Military History and writing requirements. Permission of the instructor is required.

**Art**

**ARH 101 Art History (3)**

**F**

Art History is a survey course to investigate the vital functions the arts have served in formation of society from prehistory through the late Medieval period, the early Renaissance to the Modern Arts period, the late nineteenth century to the present, inclusive of developments in American Art and contributions of African American, women, and minority artists.

**ARH 320 African American Art (3)**

**F**

This program is an investigative research/survey course, tracing and exploring the history and development of artists of African descent and their contributions to the plastic arts- such as painting, sculpture, architecture, and the craft arts- with a comparative analysis to their Euro-Angelo counterparts, emphasis on artistic contribution by African American 17<sup>th</sup> through the 21<sup>st</sup> century.

**ARH 104 Modern Art (3)**

**F**

Modern Art is an investigative survey course of the art with emphasis on artistic compositions from the mid to late nineteenth century through the twentieth century to the present- painting, sculpture, printmaking, and architecture- produced in Western Europe and America: its development from the late Renaissance to Romanticism, Neo-Classicism to Realism, Impressionism, Post- Impressionistic styles and movements.

**ARH 121 Beginning Design (3)**

**F**

Beginning Design is an introductory level studio art course to help students develop an understanding of the various organizational possibilities in designing for two and three dimensional works, with emphasis on the study of application of the elements of art according to the principles of organization/design to create formal unity in a composition, in a variety of media

**ARH 131 Drawing I (3)**

**Sp**

Drawing I is a basic level course introducing students to fundamental drawing skills, and techniques from a freehand approach, with emphasis on observation and interpretation of visual images and ideas, and traditional approach to line, composition, form, perspective, and shading, to create a sense of volume, proportion, and the illusion of space, through use of varied drawing media-pencil, pen and ink, charcoal, conte crayon- and subject matter.

**ARH 200 Art Appreciation (3)**

**F, Sp, Su**

An exploratory course to the dynamics of the Visual Arts, investigating both the motivation of the artists to the mechanics of creating from a theoretical and applicational perspective of the different medias – painting, sculpting, drawing, printmaking, crafting, and architecture—with an infusion of historical significance to the vital function of art in society.

**ARH 221 Graphic Design I (3)**

**F**

Graphic Design is a studio course with emphasis on form, content, and principles of design and lay-out composition, where students are challenged to create visual composition, a complete product package from conception, package design, typography, to mock product make-up.

**ARH 231 Painting I (3)**

**Sp**

Painting I is a beginning level studio art course focusing on the fundamentals of painting techniques, materials, and color application, emphasizing the process of painting in medias- watercolor, tempera, acrylic, gouache, and experimentation with mixed media.

**ARH 241 Printmaking I (3)**

**F**

Printmaking is a studio art course introducing students to basic printmaking techniques, processes, and equipment, with emphasis on image development in mono-print, intaglio, relief, stencil, woodcut, linoleum, and collagraphy, with exploration into multiple color separation and printing, transferring original drawings and ideas to the print media.

**ARH 321 Commercial Art (3)**

**F**

Commercial Art is a studio art course that provides an overview of the advertising design industry, with student exposure to creating compositions for such purposes as advertising, illustration, and the design, embellishment, decoration of industrial products, focusing on collaboration in creation of product from conceptualization of idea, to the creation of a product that embodies the aspiration, inspiration of a client, emphasizing visual image development and execution.

**ARH 331 Mural Painting (3)**

**Sp**

Mural Art explores both historical and contemporary approaches to mural painting, public art, materials techniques and surface treatment, where students will create images to be painted on panels in simulation of wall or perspective while creating images appropriate to architectural settings interior and exterior, dealing with themes of social issues or creative embellishment.

**ARH 341 Sculpture I (3)**

**F**

Sculpture I is a beginning level studio art course exploring traditional and contemporary sculptural processes, techniques and materials through the additive, subtractive, and manipulative method, in select medias- clay, plaster, wood, and heavy board --compositions in free-standing, full round, relief, and linear.

**ARH 421 Illustration (3)**

**Sp**

Illustration is a studio art course aimed at the production of techniques, design elements, media choice, typography, and conceptual imagery in conceptualization to a range of materials and techniques, explored through drawing and painting techniques with various media, as observed in advertising and graphic design.

**Aviation Sciences**

**AVT 201 Private Pilot Certification - Ground (3)**

**F**

Designed to prepare students for the FAA Private Pilot Written Examination. Subject areas covered in the course include basic aerodynamics, navigation, weather, communications, aircraft operations, weight and balance, various publications, and the Federal Aviation Regulations.

**AVT 202 Private Pilot Certification - Flight (2)**

**F, Sp, Su**

*Co-requisite:* AVT 201. Designed to provide students with the flight experience necessary for the FAA Private Pilot Certification.

**AVT 203 Navigation and Performance (3)**

**Sp**

This course provides students with skills and knowledge necessary to successfully complete the navigation and performance requirements specified for instrument and commercial pilots. It will focus on both jet and reciprocating aircraft and include high performance/high altitude turbine applications.

**AVT 301 Instrument Rating - Ground (3)**

**F, Sp, Su**

*Prerequisites:* AVT 201 and AVT 202. Designed to prepare students for the FAA Instrument Written Examination. Subject areas covered in the course include the IFR air traffic system, various publications and regulations, IFR navigation and aids, IFR charts, instrument approaches, and weather.

**AVT 302 Instrument Rating - Flight (2)**

**F, Sp, Su**

*Co-requisite:* AVT 301. Designed to prepare students for and provide students with the flight experience necessary for the FAA Instrument rating.

**AVT 303 Commercial Pilot Certification -Ground (3)**

**F, Sp, Su**

*Prerequisites:* AVT 201 and AVT 202. Designed to prepare students for the FAA Commercial Pilot Written Examination. Subject areas covered in the course include aerodynamics, high performance and complex airplane operations, weight and balance, NTSB reporting requirements, various publications, and the FARs.

**AVT 304 Commercial Pilot Certification - Flight (2)**

**F, Sp, Su**

*Co-requisite:* AVT 303. Designed to prepare and to provide students with the flight experience necessary for the FAA Commercial Pilot Certification.

**AVT 305 Multiengine Rating - Flight (2)**

**F, Sp, Su**

*Prerequisites:* AVT 301, AVT 302, AVT 303, and AVT 304. Designed to provide students with the flight experience necessary to meet the FAA requirements for the multi-engine class rating.

**AVT 401 Principles of Flight Instructing I (3)**

**F, Sp, Su**

*Prerequisites:* AVT 201 and AVT 202. Designed to prepare students for the FAA Fundamentals of Instructing Written Examination and for the FAA Basic Ground Instructor Written Examination.

**AVT 402 Principles of Flight Instructing II (3)**

**F, Sp, Su**

*Prerequisites:* AVT 301, 302, 303, 304, and 401. Designed to prepare students for the FAA Advanced Ground Instructor Written Examination and the Instrument Ground Instructor Written Examination.

**AVT 405 Multiengine Aircraft Systems (3)**

**F**

*Prerequisite:* AWS 201. This course will focus on the aircraft systems, hydraulics, flight, and fuel, as they relate to modern jet powered aircraft.

**AVT 411 Certified Flight Instructor - Airplane (2)**

**F, Sp, Su**

*Prerequisites:* AVT 301, AVT 302, AVT 303, and AVT 304. *Co-requisite:* AVT 401. Designed to provide students with the flight experience necessary for the FAA Certified Flight Instructor Certificate with an Airplane Single-engine Land Rating.

**AVT 412 Certified Flight Instructor - Instrument (2)**

**F, Sp, Su**

*Prerequisite:* AVT 411. *Co-requisite:* AVT 402. Designed to provide students with the flight experience necessary for the FAA Certified Flight Instructor Certificate with an Instrument Airplane Rating.

**AVT 413 Certified Flight Instructor - Multiengine (2)**

**F, Sp, Su**

*Prerequisite:* AVT 411. *Co-requisite:* AVT 402. Designed to provide students with the flight experience necessary for the FAA Certified Flight Instructor Certificate with a Multi-Engine Land Rating.

**AWS 200 Aviation History (3)**

**F**

A presentation dealing with the history of aviation and flight from the early attempts to the modern space age. The equipment and the flyers are considered, as well as the underlying developmental rationale for the events and hardware.

**AWS 201 Introduction to Aeronautics (3)**

**F**

Presents an overview of aviation, enabling the student to gain an appreciation of the complexities of the field of aeronautics. Course content includes historical background, fundamentals of flight and aeronautical technology, the social and economic impact of aerospace and future developments, and government regulations.

**AWS 210 Basic Aerodynamics (3)**

**F**

*Prerequisite:* AWS 201 or AVT 201. The history and development of aerodynamic theory will be introduced, and the student will become familiar with airfoil theory and wing theory. Basic performance parameters will include the use of performance charts. The course will stress subsonic incompressible flow and supersonic compressible flow. Special consideration will be given to transonic flight.

**AWS 232 Air Traffic Control (3)**

**F, Sp**

*Prerequisite:* AWS 201 or AVT 201. A study of the national air traffic control system with emphasis on basic air traffic control procedures. Course content includes the role of air route traffic control centers, approach controls, control towers, and flight service stations. Also covers communications, navigation procedures, radar operations, and facilities.

**AWS 235 Air Traffic Control Operations I (3)**

**F**

This course will introduce the student to Air Traffic Control operations. These procedures will be studied from the publication prepared for the National Air Traffic Training Program and other training material.

**AWS 240 Aviation Weather (3)**

**F, Su**

An exploration of various cloud formations, formation of warm, cold, occluded, and stationary fronts, the life of thunderstorms, winds (both surface and aloft), icing, and many other weather phenomena. Emphasis will be placed on operations in cold weather and low visibility, windshear and microburst detection, information formats, weather radar, TCAS, and the role and responsibilities of ATC in weather observation and reporting.



**AWS 250 Physical Geography (3)**

**F**

A study of the basic concepts of weather and climate, landforms, and topography leading to an understanding of the earth as the human environment.

**AWS 270 Aircraft Engines (3)**

**Sp**

*Prerequisite:* AWS 201 or AVT 201. This course will study aircraft engines to include reciprocating and various turbine configurations. Mechanical relationships, components, power calculations, and performance charts will be emphasized.

**AWS 301 Principles of Transportation (3)**

**F**

*Prerequisite:* AWS 201 or AVT 201. An introduction, survey, and analysis of transportation including rail, motor, air, water, pipeline, and mass transit, with a look at their impact on the social and economic system of the U. S.

**AWS 302 Meteorology (3)**

**Sp**

*Prerequisite:* AWS 250. Application of meteorological principles to flight operations. Topics include weather observations and forecasts, weather maps, NOTAMS, international weather patterns and information formats, weather radar, TCAS, and the role and responsibilities of ATC in weather observation and reporting.

**AWS 305 VFR Tower Operations (3)**

**F**

*Prerequisite:* AWS 232. Designed to familiarize students with Air Traffic Control procedures in the visual environment. Emphasis is placed on the responsibilities of local, ground, flight data, and coordinator positions. Also included are the regulations which govern flight under visual conditions, separation in the terminal area, and development of controller techniques.

**AWS 310 Aviation Legislation (3)**

**Sp**

*Prerequisite:* AWS 201 or AVT 201. Emphasizes legal concepts concerning aviation as related to aircraft and flight operations, early airmail legislation, contracts, insurance and liability, regulatory statutes, and case law.

**AWS 315 ATC Radar Procedures (3)**

**Sp**

*Prerequisite:* AWS 232. Designed to introduce and to familiarize the student with procedures used in identifying, monitoring, vectoring and separating aircraft utilizing Airport Surveillance Radar (ASR) and Precision Approach Radar (PAR) systems.

**AWS 320 Air Transportation (3)**

**F**

*Prerequisite:* AWS 201 or AVT 201. A survey of the historical development of the air transportation system, including the impact of legislation, problems encountered in commercial air transportation, future industry requirements, airline operations, aviation economics, and social implications.

**AWS 351 Aviation Labor Relations (3)**

**Sp**

*Prerequisite:* AWS 320. An analysis of labor and management relationships and their often differing goals. Course content includes historical development, unions and collective bargaining, contracts, labor legislation, and the role of government.

**AWS 390 Airline Management (3)**

**F**

*Prerequisite:* AWS 320. The application of management principles to airline operations. Emphasis is on the characteristics of airline financing, marketing, scheduling, facilities planning, maintenance and governmental relations and regulations.

**AWS 395 Airport Management (3)**

**Sp**

*Prerequisite:* AWS 320. A comprehensive study of airport operations and management including analysis of the role of the airport manager in planning, finance and administration, public relations, operations and facility maintenance.

**AWS 401 The National Airspace System (3)**

**F**

*Prerequisite:* AWS 320. An overview of the National Airspace System Plan. Course covers problems encountered in implementing the system, airspace allocation and usage, facilities, safety considerations, new developments in electronic navigation and control systems, economic impact, and social and political implications.

**AWS 410 Advanced Tower Operations (3)**

**F**

This course will prepare each student to pass the Certified Tower Operator's examination. Basic Air Traffic Control procedures will be studied from the publications prepared for the National Air Traffic Training Program and other training material.

**AWS 412 En Route Operations (3)**

**Sp**

This course will cover the theory and fundamentals of en route radar operations to include practical application. Basic Air Traffic Control procedures will be studied from the publications prepared for the National Air Traffic Training Program and other training material.

**AWS 415 Seminar in Aviation Science (3)**

**F**

This course will provide a format for the aviation student to receive exposure to guest lectures, present special aviation topics and participate in group discussion on current topics in aviation.

**AWS 418 Crew Resources Management (CRM) (3)**

**Sp**

This course will apply the theory and methods developed in the Aviation psychology course and will focus on the knowledge in a cockpit setting. The emphasis will be on the human-factors aspects of cockpit crew management and additional psychological concepts as they relate to cockpit management.

**AWS 420 Flight Safety (3)**

**F**

*Prerequisite:* AWS 201. A presentation and analysis of factors and procedures relating to aviation safety. Includes techniques for accident prevention, development of safety programs, procedures used in accident investigation, the human factor (physiological and psychological), and the effect of weather on safety.

**AWS 425 Aircraft Accident Investigation (3)**

**Sp**

*Prerequisites:* AWS 201 or AVT 201 and AWS 320. A course designed to acquaint the aviation student with procedures, techniques, and methods of determining causes of accidents. The roles of the various investigative bodies, and their responsibilities and obligations will be stressed.



**AWS 430 Flight Physiology (3) Sp**

*Prerequisite:* AWS 201 or AVT 201. The course will focus on human factor considerations related to the aerospace environment, including both the psychological and physiological concerns. Special topics will include the cause, symptoms, prevention, and treatment of flight environment disorders.

**AWS 450 Senior Project in Aviation (3)**

**F, Sp**

*Prerequisite:* Permission of the Chairperson. A review of all aviation course work completed by the student. The student will complete a major aviation research paper which must be presented before an audience of departmental and/or university faculty members.

**AWS 490 Independent Study in Aviation (3)**

**F, Sp, Su**

*Prerequisite:* Upper-level Standing. This course provides academic credit to upper-level students for independent study, research, problems and special investigations, and/or special readings authorized by the Dean and supervised by a designated, consenting faculty member. Cannot be taken concurrently with Independent Study in Aviation (AWS 491).

**AWS 491 Advanced Independent Study in Aviation (6)**

**F, Sp, Su**

*Prerequisite:* Upper-Level Standing This course provides academic credit to upper-level students for independent study, research, problems and special investigations, and/or special readings authorized by the Dean and supervised by a designated, consenting faculty member. Cannot be taken concurrently with Independent Study in Aviation (AWS 490).

**AWS 498 Cooperative Education in Aviation I (1-6)**

**F, Sp, Su**

*Prerequisite:* Permission of the Chairperson. Provides entry level aviation and/or transportation work experience with a federal, state, or local government agency, private business, or other agency.

**AWS 499 Cooperative Education in Aviation II (1-12)**

**F, Sp, Su**

*Prerequisite:* Permission of the Chairperson. Provides advanced aviation and/or transportation work experience with a federal, state, or local government agency, private business, or other agency.

**Biology**

**BIO 101 Biological Science (3)**

**F, Sp, Su**

This course is for non-science majors only. Fundamental concepts in biology are presented. Topics include structure and functions of cells, introductory genetics, reproduction, and physiology. Emphasis is on human organ systems.

**BIO 130 Principles of Biology (3)**

**F, Sp, Su**

*Co-requisite:* BIO 131. This course deals with basic biological principles and how they are interrelated, the scientific and biological study of living systems, and the organizational structure of the living world at all levels of organization from the molecule to the biosphere. The principles of chemistry and biochemistry and the functional and operational properties of living matter are included.

**BIO 131 Principles of Biology Laboratory (1)**

**F, Sp, Su**

*Co-requisite:* BIO 130. This laboratory involves the study of the use of the compound microscope, examination of living cultures of protozoa and other organisms, microscopic examination of animal and plant cells, animal tissues, identification of biological molecules, enzyme action, fermentation, cellular respiration, photosynthesis, mitosis, and dissection of frogs.

**BIO 132 Principles of Biology II (3)**

**F, Sp, Su**

*Pre-requisites:* BIO 130 and BIO 131 with grade of "C" or better in both classes. This course is a continuation of BIO 130, with special emphasis on evolution, ecology, characterizations of fungi, protozoans, plants, and animals.

**BIO 133 Principles of Biology Laboratory II (1)**

**F, Sp, Su**

*Co-requisite:* BIO 132. This course is a continuation of BIO 131, and includes Medelian genetics, molecular biology, population genetics, bacteriology, plant diversity and physiology, animal diversity and physiology, animal development and ecology.

**BIO 204 General Zoology (3)**

**F, Sp, Su**

*Prerequisites:* BIO 130 and 131 and BIO 132 and BIO 133 for Biology majors. *Co-requisite:* BIO 205. Biology of invertebrates and vertebrates, including the structures of the body and its organization into special systems that carry on essential life processes. The more general phases of animal existence—reproduction, heredity, distribution, and evolution—are included, in addition to an introduction to classifying and naming animals.

**BIO 205 General Zoology Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 204. Study of the classification of living organisms, including all the invertebrate and vertebrate phyla.

**BIO 206 General Botany (3)**

**F, Sp, Su**

*Prerequisites:* BIO 130 and 131. An organic approach to plant biology is emphasized along with the structural and functional relationships of plant organs, with special attention given to physiological activities. Other aspects of the course are photosynthesis, fundamental concepts of biology, regulation, growth and development of seed plants, life cycles, reproduction and success in the plant kingdom, and dynamics of plant populations and ecology.

**BIO 207 General Botany Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 206. Morphological and anatomical study of seeds, roots, stems, leaves, flowers, and fruits. It includes field trips to local botanical gardens to study the local flora and their taxonomy.

**BIO 212 Human Anatomy (3)**

**F, Sp, Su**

*Prerequisites:* BIO 101, or BIO 130 and 131. Structure of various organs and systems in the human body.

**BIO 213 Human Anatomy Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 200. Anatomical study of the integumentary system, skeletal system, muscular system, nervous system, circulatory system, sensory system, lymphatic system, endocrine system, and the reproductive system. Students may be required to visit a local morgue to observe an autopsy.

**BIO 220 Comparative Anatomy (3)**

**F, Sp, Su**

*Prerequisites:* BIO 204 and 205. *Co-requisite:* BIO 221.. Basic patterns of vertebrate structure and development, and the functions of these structures in terms of adaptive significance.

**BIO 221 Comparative Anatomy Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 220. A comparative study of the anatomy of various vertebrates, such as the shark, perch, frog, lizard, pigeon, fetal pig, and cat.

**BIO 300 Human Physiology (3)**

**F, Sp, Su**

*Prerequisites:* BIO 204 and 205. *Co-requisite:* BIO 301.. The basic principles and concepts of human physiology. Topics include cell physiology, the nerve-muscle unit, blood, body fluids and the kidneys, heart and circulation, respiration, endocrinology and reproduction, as well as digestion, energy, metabolism, and temperature control.

**BIO 301 Human Physiology Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 300. Study of the cardiovascular system, respiration and metabolism, blood, renal function and homeostasis, neural stimulation of muscle contraction, digestion of starch, egg albumen and fat by enzyme action, endocrine system and reproduction.

**BIO 302 Plant Physiology (3)**

**F, Sp, Su**

*Prerequisites:* BIO 206 and 207. *Co-requisite:* BIO 303.. Metabolism of plants; physical, chemical and environmental influences on plant metabolism; regulation and control of photosynthesis; structural and functional properties of metabolites; organization and operation of the principal metabolic activities; growth regulations and development of plants; tropisms; hormones; and a laboratory approach to the study of agricultural, horticultural, and floricultural methods.

**BIO 303 Plant Physiology Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 302. Physiology of seeds, seed germination, seed testing, photosynthesis, respiration, translocation, transpiration, plant growth and development, auxins and growth hormones.

**BIO 304 Embryology (3)**

**F, Sp, Su**

*Prerequisites:* BIO 204 and 205. *Co-requisite:* BIO 305.. Study of the development of amphibian, avian and mammalian embryos from gametogenesis through organogenesis.

**BIO 305 Embryology Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 304. Gametogenesis, maturation and fertilization in ascaris, sea urchin development, starfish development, early development of the frog, chick, and pig embryo.

**BIO 310 Genetics (3)**

**F, Sp, Su**

*Prerequisites:* BIO 204 and 205. *Co-requisite:* BIO 311. Study of the mechanisms of inheritance in organisms and populations, genes, DNA, chromosomes, mutations, genome, pedigrees, and genetic engineering.

**BIO 311 Genetics Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 310. The study of mitosis; meiosis; animals, human beings, and plant chromosomes, salivary gland chromosomes; preparation of human leucocyte chromosomes; karyotyping; genetic ratios; gene frequency; human genetic traits from phenotypes; and pedigree analysis.

**BIO 320 General Ecology (3)**

**F, Sp, Su**

*Prerequisites:* BIO 204 and 205 or permission of advisor. *Co-requisite:* BIO 321.. A general study of the interaction of individual organisms, populations, and communities with their environment. Particular emphasis is placed on the ecology of South Florida and the major ecological crises facing this area.

**BIO 321 General Ecology Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 320. The study of the distribution of plant and animal communities, habitats, ecosystems and the effects of man on environment. Field trips are included.

**BIO 330 Parasitology (3)**

**F, Sp, Su**

*Prerequisites:* BIO 130 and 131. *Co-requisite:* BIO 331. An introduction to the morphology, classification, life history, pathology, and control of parasitic and symbiotic forms of life.

**BIO 331 Parasitology Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 330. The study of common human and animal parasites working with preserved and/or prepared specimens.

**BIO 400 Evolution (3)**

**F, Sp, Su**

Evolutionary mechanisms and theories, sources of variation, adaptation, speciation, and macroevolution, origin of life, and humankind.

**BIO 410 Microbiology (3)**

**F, Sp, Su**

*Prerequisites:* BIO 204 - BIO 207, BIO 310, BIO 311, CHE 110 - CHE 113, and CHE 210 - CHE 213 for Biology majors only, not for the students enrolled in the dual-degree nursing program. *Co-requisite:* BIO 411. A detailed investigation of the prokaryotic cell; structural and functional characterization of the major groups; physiological activities of the role of bacteria in the environment, emphasizing agricultural, ecological and commercial usefulness; basic concepts of immunology, virology, and pathology; laboratory culture techniques and aseptic procedures; taxonomy and characterization of bacterial species; and environmental influence on growth and availability of species.

**BIO 411 Microbiology Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 410. Experiments and techniques in culture, growth, maintenance, and sterilization of microbes such as bacteria, algae, fungi, and viruses.

**BIO 420 Cell Biology (3)**

**F, Sp, Su**

*Prerequisites:* BIO 204 - BIO 207, BIO 310, BIO 311, CHE 110 - CHE 113, CHE 210 - CHE 213.. *Except for Biology/Nursing students.* *Co-requisite:* BIO 421. A study of the fine structure of eukaryotic and prokaryotic cells, the chemical composition and organization of cells, cell metabolism and bioenergetics, the ultrastructural and molecular organization and functions of each major cell organelle or structural component, and the molecular basis of the genetic code and gene expression.

**BIO 421 Cell Biology Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 420. Biochemical measurements of carbohydrates; lipids and proteins in plasma; thin layer chromatography of amino acids, amino acid sequencing; gel electrophoresis of blood proteins; measurements of enzyme activity; reactions of nucleic acids; DNA fingerprinting; mutations in yeast; transposon mutagenesis; tissue printing; and specimen preparation for light microscopy.

**BIO 430 Immunology (3) F, Sp, Su**

*Prerequisites:* BIO 204, 205, 206 and 207 or permission of instructor. *Co-requisite:* BIO 431.. A detailed investigation of the tissues, cells and biochemical components of the immune system, and the role of immune responses in the diagnosis and prevention of disease.

**BIO 431 Immunology Lab (1)**

**F, Sp, Su**

*Co-requisite:* BIO 430. Agglutination reactions, precipitation and flocculation tests, enzyme immunoassays, common immunologic and serologic tests, pregnancy tests, antihuman globulin reaction (Coomb test).

**BIO 440 Research I (3)**

**F, Sp, Su**

*Prerequisite: Permission of instructor.* An introduction to the techniques of scientific investigation. Students, with the help of the instructor, will choose a problem in biology and design a procedure for investigation. The problem may not be original; the purpose is to help students broaden and integrate their backgrounds in the biological sciences. Students write reports on their investigation with well documented supporting evidence and present them to the instructor. Then they defend their investigation orally before colleagues, faculty, and visitors during the final week of the semester.

**BIO 441 Research II (3)**

**F, Sp, Su**

*Prerequisite: BIO 440 and Permission of instructor.* Open to students who have successfully completed or want to continue with their investigation of the problem that they have chosen in BIO 440.

**BIO 460 Recombinant DNA (6)**

**F, Sp, Su**

*Prerequisites: BIO 130, 132, and 133 All with a grade of "C" or better, or permission. of instructor(s).* This course is a combined lecture/laboratory course which will serve as a contemporary course on the basic principles, essential laboratory activities and relevant social issues and concerns prevalent in the current molecular biology revolution.

**NUT 200 Introduction to Nutrition (3)**

**F, Sp, Su**

*Prerequisite: BIO 130 and BIO 131.* This is a basic nutrition course designed to teach pre-nursing students and PE/health education majors basic concepts in nutrition and increase their awareness of dietary habits. The course will also enable the student to build a foundation of knowledge that may be used to evaluate nutritional information from varied sources. Emphasis will be placed on understanding the role of essential nutrients, their digestion, absorption and metabolism, food sources, and disease status incurred from deficiencies.

**Business Administration**

**BUS 210 Applied Mathematics in Business (3)**

**F, Sp**

*Prerequisite: MAT 111.* A representation of basic mathematical concepts, algebraic functions, and their applications in business practices.

**BUS 211 Principles of Management (3)**

**F, Sp, Su**

*Prerequisite: First Semester Sophomore standing.* An introductory management course dealing with the fundamental principles of management: planning, organizing, staffing, leading and controlling. The systems concept of management and the role of the manager in each level of the organization are emphasized.

**BUS 215 Quantitative Methods for Business & Economics (3)**

**F, Sp**

*Prerequisite: MAT 114.* To integrate quantitative subjects with business decision making analysis. The following topics are covered: matrix algebra, the concept of derivatives and its rules, and optimization. Emphasis is on business application of the above stated concepts.

**BUS 240 Introduction to Hospitality Management (3)**

**Sp**

*Prerequisite: Sophomore standing.* A survey course providing an overview of the hospitality industry:

its history, problems and general operating procedures.

**BUS 310 Business Mathematics (3)**

**F, Su**

*Prerequisite:* MAT 111. This course explores mathematical problems involved in business merchandising, payrolls, calculation of simple and compound interest, discount rates, insurance, credit, and taxes.

**BUS 311 Business Law I (3)**

**F, Sp, Su**

*Prerequisite:* BUS 211. This course involves the study of the legal environment of business, contracts, personal and real property, bailments, and agency.

**BUS 312 Business Law II (3)**

**Sp, Su**

*Prerequisite:* BUS 311. A continuation of BUS 311 with emphasis on commercial paper, sales, partnerships, corporations, and government regulation of business.

**BUS 320 Business Statistics I (3)**

**F, Sp, Su**

*Prerequisite:* MAT 111. A review of mathematical procedures, probability, and sampling distributions as they are used in business.

**BUS 321 Business Statistics II (3)**

**F, Sp**

*Prerequisite:* BUS 320. In addition to theoretical presentation, this course will cover computer-based practical application of regression theory, and linear application of the following topics: linear regression modeling and the principles of least squares, multicollinearity and auto correlation, multiple regression, and the analysis of variance.

**BUS 344 Business Organization and Management (3)**

**F, Sp, Su**

*Prerequisite:* BUS 211, *Sophomore standing*. The practice of managing individuals and groups in today's dynamic business environment. Emphasis is placed on skills needed for managerial success. Case studies and exercises are utilized.

**BUS 345 Business Communications & Technical Writing (3)**

**F, Sp, Su**

*Prerequisite:* *Junior standing*. A study of the techniques and approaches in writing business technical documents, including business plans, reports, proposals, newsletters, resumes, brochures and annual reports. Emphasis is on organization, data gathering, writing style, content and the packaging of documents.

**BUS 353 Principles of Insurance (3)**

**Sp, Su**

*Prerequisite:* MAT 102, *Junior standing*. A study of the basic principles of insurance and theory of risks. Emphasis is on the following coverage: fire, marine, health, accident, and casualty.

**BUS 355 Principles of Real Estate (3)**

**F**

*Prerequisite:* BUS 311 and MAT 111, *Junior standing*. This course covers land economics, principles of real estate finance including the study of federal and state practices in mortgages, brokerage, building and



construction, marketing, appraisal, and real estate law.

**BUS 361 Leadership Applications**

**F, Sp**

*Prerequisite:* BUS 211. An examination of contemporary leadership issues through application. Topics include leadership theories, leadership ethics and values, group dynamics, organizational behavior and the dynamics of power. Emphasis is placed on understanding leadership as a mind set and as a tool.

**BUS 371 Cooperative Education in Business (6)**

**F, Sp**

*Prerequisite:* Permission of the Dean. Provides students with an opportunity to alternate periods of academic training with employment in business-related environment. The course intends to improve the student's practical experience while receiving financial compensation. Approval of the Dean/Department Chairman and the director of cooperative education is required.

**BUS 372 Cooperative Education in Business (12)**

**F, Sp**

*Prerequisite:* Permission of the Dean. Provides students with an opportunity to alternate periods of academic training with employment in business-related environment. The course intends to improve students' practical experience while receiving financial compensation. Approval of the Dean/Department Chairman and the director of cooperative education is required.

**BUS 394 Business Ethics and Society (3)**

**F, Sp, Su**

*Prerequisite:* Junior standing. Introduces students to the general relationship between a business organization and the ethical, legal, political, social and international environments in which it operates. Business is examined as one of the nation's basic institutions which needs to be profitable while also fulfilling a social role.

**BUS 400 Entrepreneurship (3)**

**F, Sp**

*Prerequisite:* BUS 211. The study of the general theories, principles, concepts, and practices of creating and launching a new business. This includes identifying opportunities, preparing a business plan, and locating sources of finance.

**BUS 403 Strategic Management (3)**

**F, Sp**

*Prerequisites:* ACC 212, BUS 211, MAR 301, FIN 301. An advanced course designed to integrate a student's knowledge of management, marketing, finance and accounting in order to formulate, implement and evaluate business strategies.

**BUS 404 International Business (3)**

**F, Sp**

*Prerequisite:* BUS 211. Introductory analysis of a multinational organization with emphasis given to international trade and investment, foreign exchange and financial markets, and the cultural and political interaction between a multinational corporation and the host societies.

**BUS 420 Operations Research (3)**

**F, Sp**

*Prerequisites:* BUS 215, BUS 320. An introductory course in operations research. Principles and application of influence charts and decision models for linear programming, networks, queuing, inventory and transportation. A working knowledge of a spreadsheet program is mandatory.

**BUS 450 Business Internship & Seminar (3)**

**F, Sp**

*Prerequisite:* Senior standing or approval of the advisor. The course focuses on interviewing techniques, resume and cover letter writing skills, interpersonal skills, and career planning are emphasized. It also provides students with professional work experience and on-the-job training in the business sector.

**BUS 480 Managerial Psychology (3)**

**F, Su**

*Prerequisite:* BUS 211. A survey of people-oriented aspects of management with emphasis on managerial and organizational theory which affects human engineering, psychology and labor relations.

**BUS 487 Seminar in Management**

**F, Sp**

*Prerequisite:* Junior standing and approval of the advisor. This course examines consideration of current issues in management. Readings required from current management publications and other related periodicals.

**BUS 498 Senior Project in Business (3)**

**F, Sp**

*Prerequisites:* BUS 403, Senior Standing. A "capstone" class in business which requires students to demonstrate competence in all areas of business by way strategic case analysis and computer simulation. It is preferred that students take this course their last semester and they will be required to make real world business decisions by utilizing all of the skills they have acquired throughout their program of study.

**BUS 499 Independent Study (3)**

**F, Sp, Su**

This course provides independent study of specific areas with direction and supervision of business faculty.

**Chemistry**

**CHE 100 Introduction to Chemistry (3)**

**F, Sp, Su**

An introductory course for the investigation of chemical understanding that is designed for first-year students who are not ready to take the more rigorous and challenging CHE 110/112 series. Concepts of atoms, atomic structure, and molecules will be presented. The manner by which atoms interact, the writing of chemical equations, pH, the chemistry of water, and solutions, equilibrium, and biological as well as organic molecules will be introduced.

**CHE 101 Concepts of Radiochemistry (3)**

**F, Sp, Su**

This course is intended to introduce students at all levels and from all disciplines on the many different aspects and applications of nuclear and radiation engineering/physics. Topics covered include: history of nuclear development, basic concepts of radiation and radioactivity, radioactive waste management, global warming and the impact of nuclear power plants, industrial applications,



health physics, nuclear medicine, job opportunities at power plants, graduate school, and national laboratories.

**CHE 110 General Chemistry I (4)**

**F, Sp, Su**

*Co-requisites:* MAT 111 and CHE 111.. This course is an introduction to basic principles of modern chemistry, including atomic structure, chemical formulas, chemical equations, bonding, stoichiometry, and properties of gases.

**CHE 111 General Chemistry I Laboratory (1)**

**F, Sp, Su**

*Co-requisite:* CHE 110. An introduction to basic chemical laboratory principles and techniques including physical properties, physical measurements, percent composition, empirical formulas, types of chemical reactions, molar calculations, and calorimetry.

**CHE 112 General Chemistry II (4)**

**F, Sp, Su**

*Prerequisite:* CHE 110 *Co-requisite:* CHE 113. This course is a continuation of CHE 110, including kinetics, equilibria, oxidation- reduction, acid-base theory, periodicity, nuclear chemistry, and organic chemistry.

**CHE 113 General Chemistry Laboratory II (1)**

**F, Sp, Su**

*Co-requisite:* CHE 112. A continuation of CHE 111, including experiments dealing with kinetics, acid/ base titration, and the qualitative analysis of metal ions.

**CHE 210 Organic Chemistry I (3)**

**F, Sp, Su**

*Prerequisites:* CHE 112 and 113. *Co-requisite:* CHE 211. An introduction to the fundamentals of organic chemistry—the chemistry of carbon compounds. It covers chemical nomenclature, bonding, structure, reactivity, molecular properties, stereochemistry, reaction mechanisms, and synthesis.

**CHE 211 Organic Chemistry I Lab (1)**

**F, Sp, Su**

*Co-requisite:* CHE 210. Applications of theory to techniques of identification, characterization, and reactions in chemical synthesis; purification, distillation, crystallization and evaporation, filtration, identification, characterization, melting and boiling point determination, spectroscopy and chromatography.

**CHE 212 Organic Chemistry II (3)**

**F, Sp, Su**

*Prerequisite:* CHE 210. *Co-requisite:* CHE 213. Organic synthesis reactions—Grignard, Friedel-Craft, Diels-Alder, Wittig, and Michael reactions; IR, NMR, UV-VIS, MS spectroscopy.

**CHE 213 Organic Chemistry II Lab (1)**

**F, Sp, Su**

*Co-requisite:* CHE 212. Techniques of chemical synthesis and methods of following chemical reactions and validating synthetic processes. Reactions covered are Diels-Alder, Wittig, Grignard, Friedel-Craft, halogenation.

**CHE 214 Quantitative Analysis (3)**

**F, Sp Su**

*Prerequisite:* CHE 112. *Co-requisite:* CHE 215. Fundamentals of classical quantitative analysis, including gravimetric, volumetric, acid-base, redox, compleximetric, potentiometric, and absorptiometric analyses.

**CHE 215 Quantitative Analysis Lab (1)**

**F, Sp, Su**

*Co-requisite:* CHE 214 .Analytical laboratory techniques in quantitative analysis to include the principles of gravimetric, titrametric, and spectrophotometric analysis to quantitate material in a sample.

**CHE 224 Environmental Chemistry (3)**

**F, Sp, Su**

*Prerequisites:* CHE110 and CHE 112 or permission of instructor. *Co-requisite:* CHE 225 Environmental chemistry is concerned principally with the chemical aspects of problems that human beings have created in the natural environment. The chemistry of ozone layer, ground-level air chemistry and air pollution, the greenhouse effect and global warming, toxic chemicals, energy production and its environmental consequences will be discussed.

**CHE 225 Environmental Chemistry Lab (1)**

**F, Sp, Su**

*Co-requisite:* CHE 224. A study of the various pollutants and determination of their residues by physical and analytical methods.

**CHE 230 Introduction to Radiochemistry (3)**

**F, Sp, Su**

This introductory radiochemistry course is designed for students majoring in chemistry/radiochemistry, physics and environmental sciences. This course is also recommended to engineering students who are transferring to chemical and biological engineering. Topics covered include radioactivity in nature; radioelement; physical properties of atomic nuclei and elementary particles; radioactive decay; decay modes nuclear radiation; measurement of nuclear radiation; and nuclear reactions.

**CHE 231 Introduction to Radiochemistry Laboratory I (1)**

**F, Sp, Su**

The course covers experiments which include an oscilloscope tutorial; MCA (ScintiVision and GammaVision); nuclear pulse instrumentation; and pulse height analysis. Students will acquire a standard proficiency in laboratory skills in Radiochemistry. Each laboratory has a brief statement of the laboratory goals and discussion of what concepts will be specifically demonstrated or determined from the measurements.

**CHE 232 Introduction to Radiochemistry Laboratory II (2)**

**F, Sp, Su**

Continuation of the introduction to the application of radiation and radiation protection instrumentation. Laboratory topics include personnel monitoring; radiation detection systems; gamma-ray spectroscopy; determination of environmental radiation; counting statistics; gamma and neutron shielding; and air sampling.

**CHE 250 Radioactive Waste Management (3)**

**F, Sp, Su**

An introduction to radioactive waste management, including waste forms; regulation and siting; public health and environmental issues; remediation and stabilization; low- and high-level waste management; air dispersion; and radioactive groundwater transport.

**CHE 340 Survey of Physical Chemistry (3)**

**F, Sp, Su**

*Prerequisites:* CHE110 and CHE 112 or permission of instructor. *Co-requisite:* CHE 341. An introduction to the main principles of physical chemistry including fundamentals of thermodynamics as applied to gases, liquids and solutions, chemical equilibria, chemical kinetics and atomic structure.

**CHE 341 Survey of Physical Chemistry Lab (1)**

**F, Sp, Su**

*Co-requisite:* CHE 340. Representative experiments in physical chemistry designed to supplement CHE 340 including thermochemistry, phase diagrams, colligative properties, electrochemistry and chemical kinetics.

**CHE 350 Principles of Radiation Health (3)**

**F, Sp, Su**

This course is designed for chemistry majors with an emphasis in radiochemistry. Health physics, or radiological health, as it is frequently called, is the area of environmental health engineering that deals with the protection of the individual and population groups against the harmful effects of ionizing and nonionizing radiation.

**CHE 351 Principles of Radiation Health Laboratory (1)**

**F, Sp, Su**

This course is designed for chemistry majors with an emphasis in radiochemistry. Health physics, or radiological health, as it is frequently called, is the area of environmental health engineering that deals with the protection of the individual and population groups against the harmful effects of ionizing and nonionizing radiation. Some of the concepts encountered will be further explored here through the use of experimentation.

**CHE 360 Physical Chemistry I (3)**

**F, Sp, Su**

*Prerequisites:* CHE 110, CHE 112 and MAT 201. *Co-requisite:* CHE 361. A study of the kinetic theory of gases, enthalpy and entropy, phase diagrams, thermodynamics, colligative properties, chemical equilibrium and equilibrium electrochemistry.

**CHE 361 Physical Chemistry I Lab (1)**

**F, Sp, Su**

*Co-requisite:* CHE 360. Laboratory experiments designed to supplement CHE 360. Experiments related to thermochemistry, thermodynamics, phase behavior, colligative properties and chemical equilibrium will be included.

**CHE 362 Physical Chemistry II (3)**

**F, Sp, Su**

*Prerequisite:* CHE 360 or permission of instructor. *Co-requisite:* CHE 363. A study of the introduction to quantum theory, atomic structure and atomic spectra, electronic transitions, rotational and vibrational spectra, magnetic resonance, X-ray diffraction, catalysis and molecular reaction dynamics.

**CHE 363 Physical Chemistry Lab II (1)**

**F, Sp, Su**

*Co-requisite:* CHE 362. Laboratory experiments designed to supplement CHE 362. Experiments related to spectroscopy, kinetics, colloids, electrochemistry, diffusion and thermochemistry are performed.

**CHE 370 Advanced Radiochemistry/Nuclear Chemistry (3)**

**F, Sp, Su**

This course provides a concise and complete description of the current knowledge and theories of radiochemistry and nuclear chemistry, as it applies to the various areas of science as a total discipline. The course will provide unassailable information about radioactive matter and its chemical/nuclear properties. Theoretical aspects of both radiochemistry and nuclear chemistry will be presented. Applications discussed include the use of radiochemicals in geochemistry, various dating methods, and the use of radiotracers in chemical research, and the environment as pertains to the geosphere and biosphere, among other pertinent topics.

**CHE 371 Advanced Radiochemistry/Nuclear Chemistry Laboratory (1)**

**F, Sp, Su**

This course provides a concise application of theory in the co-requisite course, Advanced Radiochemistry (CHE 370). The laboratories include determination of fission activity in radio elements, such as Uranium; the calculation of activity of various isotopes; and the determination of secular equilibrium using the  $^{113}\text{Sn}$  isotope.

**CHE 380 Immunochemistry (3)**

**F, Sp, Su**

*Prerequisites:* CHE 112 and CHE 210 or permission of instructor. *Co-requisite:* CHE 381. A study of the developments in immunochemistry, humoral and cell-mediated immunity, general types and other aspects of immunity, antibody-antigen binding, antibody-antigen reactions, antibody-hapten equilibrium expressions and Scatchard plot, intrinsic and multivalent binding, lattice theory, cross reactivity, double-diffusion ("Ouchterlony") method, immunoelectrophoresis, radial immunodiffusion, radioimmunoassay and enzyme-linked immunosorbent assay (ELISA).

**CHE 381 Immunochemistry Lab (1)**

**, Sp, Su**

*Co-requisite:* CHE 380 or permission of instructor. A study of the basic techniques in immunochemistry, agglutination methods, precipitation reactions, double immunodiffusion, radial immunodiffusion (RID), enzyme immunoassay (EIA), and electrophoresis techniques.

**CHE 410 Instrumental Analysis (3)**

**F, Sp, Su**

*Prerequisites:* CHE 214, CHE 360, CHE 362 and PHY 252 or permission of instructor. *Co-requisite:* CHE 411. A study of Instrumental methods of chemical analysis including modern spectrometric methods: nuclear magnetic resonance, infrared, visible, ultraviolet and mass spectroscopy; chromatographic methods: gas-liquid and high-performance liquid chromatography.

**CHE 411 Instrumental Analysis Lab (1)**

**F, Sp, Su**

*Co-requisite:* CHE 410. Modern methods of quantitative analysis including nuclear magnetic resonance (NMR) spectrometer, mass spectrometer, UV-VIS spectrophotometer, GC and high-performance liquid chromatography (HPLC).

**CHE 430 Biochemistry (3)**

**F, Sp, Su**

*Prerequisites:* CHE 212 and 213. *Co-requisite:* CHE 331. Chemistry of proteins, carbohydrates, lipids, nucleic acids, vitamins; intermediary metabolism; biosynthesis of biomacromolecules; properties of enzymes, and molecular genetics.

**CHE 431 Biochemistry Lab (1)**

**F, Sp, Su**

*Co-requisite:* CHE 330. Application of the principles of spectrophotometry, enzyme kinetics, chromatographic separation of materials, electrophoresis, centrifugation, and isolation of biological products.

**CHE 460 Advanced Inorganic Chemistry (3)**

**F, Sp, Su**

*Prerequisites:* CHE 214, CHE 360 and CHE 362 or permission of instructor. *Co-requisite:* CHE 461. A study of atomic structure, molecular shape and symmetry, bonding and structure of inorganic compounds, solution chemistry, ligand field theory, organometallic compounds and advanced topics on reaction mechanisms of d-block complexes and photochemical reactions.

**CHE 461 Advanced Inorganic Chemistry Lab (1)**

**F, Sp, Su**

*Co-requisite:* CHE 460. Ligand substitution reaction, rate laws, substitution in square-planar complexes, and substitution in octahedral complexes; synthesis of inorganic compounds and determination of their physical and chemical properties.

**CHE 480 Special Topics in Nuclear and Radiochemistry (3)**

**F, Sp, Su**

This course provides students with a broad and general use of radio chemicals in physics, chemistry, and biology. It will introduce students to the latest research projects in which radionuclides are used and their practical applications.

**NSC 453 Senior Project (3)**

**F, Sp**

*Prerequisites:* Senior standing and majoring in chemistry or permission of instructor. The student works on a research project under the direction of a member of the chemistry faculty.

**Chinese**

**CHI 201 Elementary Chinese I (3)**

**F, Sp, Su**

This is a beginning course in Mandarin Chinese developing listening, speaking, reading and writing skills in modern standard Chinese. NOT OPEN to native or near-native speakers of Chinese.

**CHI 202 Elementary Chinese II (3)**

**F, Sp, Su**

This course is a continuation of Elementary Chinese I. It features improvement of listening and speaking skills and further development of reading and writing skills.

**Communication**

**COM 103 Introduction to Public Speaking (3)**

**F, Sp, Su**

An introduction to effective communication in speaker-audience situations. Students learn basic techniques of researching, organizing and presenting their own, original ideas to an audience. There is additional emphasis on developing effective listening skills and ethical communication strategies for use in a democratic society.

**COM 203 Newswriting & Reporting (3)**

**F**

*Prerequisite:* COM 301. This course focuses on the principles and practices of gathering, writing, and editing news and feature material for dissemination in mass media. It introduces students to reporting and writing skills fundamental to journalism and related fields.

**COM 205 Public Relations Writing (3)**

**F**

*Prerequisites:* Sophomore Standing. This course will include instruction and writing practice designed to develop the professional level writing skills expected of public relations practitioners, with emphasis on news releases, media alerts, captions, PSAs, fact sheets, backgrounders, and pitch letters.

**COM 294 Writing for the Electronic Media (3)**

**Sp**

*Prerequisite:* COM 203. Introduction to writing for radio and television with emphasis on news, features, and script preparation.

**COM 295 Television News Reporting (3)**

*Prerequisites:* Com 203, 294. This course introduces students to beat reporting. They will write and produce stories.

**COM 301 Survey of Mass Communication (3)**

**F**

*Prerequisite:* Sophomore Standing. The student will gain understanding of and insight into the mass media.

**COM 304/SSC 304 Cultures & Film (3)**

**F, Sp, Su**

This course will view independently and commercially made films. The analytical perspective is socio-cultural. A study of the cultural aesthetic, the political economy, the history and ideas of social living through films and selected readings, focusing on African, Latin American, Asian and Francophone film.

**COM 306 Business and Professional Speaking (3)**

**Sp**

*Prerequisite:* COM 103. Preparation and presentation of longer speeches based upon the purposes and occasions of speaking. Emphasis is on techniques of persuasion and careful construction of speeches based upon analysis of actual audiences.

**COM 307 Argumentation and Debate (3)**

**F, Sp, Su**

*Prerequisite:* COM 103. In this course students will gain experience identifying foundations of arguments, creating sound arguments and refuting arguments. The class will also give students an opportunity to practice these skills in both oral and written form.

**COM 308 Voice and Diction (3)**

**Sp**

Developing effective articulation, focusing on pronunciation, intonation, rhythm and phrasing and on vocal anatomy and fundamentals of the science of sound.

**COM 309 Fund Rad/TV Prod (3)**

**Sp**

This course introduces students to the history, regulation, and contemporary practice of radio and television. It emphasizes basic planning, production, and presentation of television and radio program materials.

**COM 314 Principles of Public Relations (3)**

**F**

*Prerequisites:* Junior Standing. This course will help students understand the process of public relations practice by studying its historical background and modern functioning. The case study approach will be used to evaluate campaign successes and failures.

**COM 317 Publications Design (3)**

**Sp**

*Prerequisites:* Junior Standing. A lecture and laboratory course teaching techniques of design, layout, and production of publication materials, such as brochures, newsletters, in-house magazines, using the computer.

**COM 318 Case Studies in Public Relations (3)**

**Sp**

*Prerequisites:* COM 203, 204, 301. Case studies and typical public relations problems in industry, labor, education, government, social welfare and trade associations.

**COM 319 International Mass Communication (3)**

**F**

*Prerequisites:* COM 203, 301. This course is designed to help students gain an understanding of world mass media—their composition, their operation, their impact on populations—and policies used by countries to develop or regulate them.

**COM 323 Organizational Communication (3)**

**Sp**

*Prerequisites:* Junior Standing. This course is an introduction to theory and research in organizational communication with emphasis on the systems, cultural and critical perspectives.



**COM 325 Public Opinion & Propaganda (3)**

**F**

*Prerequisites:* COM 203, 301. This course examines the nature of public opinion and propaganda from both a historical and contemporary perspective, focusing on persuasive communication techniques and economic, cultural, social and political considerations impacting mass media in human affairs and society.

**COM 328 TV Newscasting (3)**

*Prerequisites:* COM 294, 295, 301. This course introduces students to the basics of television announcing and interviewing. Emphasis is on audio and video tape preparation as well as voice presentation.

**COM 329 Television Production (3)**

*Prerequisites:* COM 203, 294, 295, 301. This course introduces students to the principles of video technology and production protocol, including studio camera operation, control room equipment and studio programming.

**COM 334 Persuasive Communication (3)**

**F, Sp, Su**

*Prerequisite:* COM 103 In this course students will discover basic theories and practices of persuasion. Students will learn how persuasion occurs in a variety of life experiences, including public, professional and personal contexts.

**COM 344 Diversity in Mass Communication (3)**

**Sp**

*Prerequisites:* COM 203, 301. This course addresses the following: (1) how minorities are portrayed in the mainstream media; (2) how and to what extent they participate in the mainstream media, particularly as actors, producers, reporters, and writers; and (3) what media are owned by minorities and how such media fill the gap left by mainstream media.

**COM 400 Advanced Public Speaking (3)**

**F, Sp, Su**

This course provides students with an opportunity to develop specialized speaking skills for specific occasions. Special attention is given to developing research and critical thinking skills best suited to construct sound arguments.

**COM 406 TV Practicum (3)**

**Sp**

*Prerequisites:* COM 203, 294, 295, 301. This course introduces students to all facets of the news program, including story assignment, research, shooting, editing, operating cameras, stand-ups and managing live productions.

**COM 422 Communication Research (3)**

**Sp**

*Prerequisite:* COM 203, 301: This course will introduce students to the foundations of research in the communication field, including quantitative and qualitative methods. The focus is on understanding the process of research design, conducting research projects, collecting data, and writing the report.

**COM 423 Public Relations Campaigns (3)**

**F**

*Prerequisites:* COM 205, 314, 318. The course will help students understand the process of public relations practice by emphasizing the techniques of the campaign. The course will study the operation of public relations from an integrated Marketing Communications (IMC) perspective.

**COM 430 Special Topics in Mass Media (3)**

**F, Sp, Su**

*Prerequisites:* COM 203, 301. An in-depth examination of different areas of mass media from social, cultural, political, and economic perspectives.

**COM 442 Media Law & Ethics (3)**

**F**

*Prerequisites:* COM 203, 301. An exposition of the principles of mass communication law and ethics, focusing on constitutional guarantees.

**COM 494 Communication Internship (3-6) F**

*Prerequisites:* COM 203, 205/294, 295, 301, 317, 329. A program of internship in which Communication majors acquire on-the-job experience under the joint supervision of an employer and the Dean/Department Chairman. May be repeated.

**COM 495 Senior Project (3)**

**F, Sp, Su**

*Prerequisites:* COM 203, 205/294, 295, 301, 329, 334, 422, 442. A program-culminating activity in communication researched, written or presented and/or submitted for publication.

**Computer Sciences and Management Information Systems**

**CSC 101 Introduction to Computers (3)**

**F, Sp, Su**

An introductory course designed to acquaint students with the Internet, technology and popular business applications. Students will be working with WebCt, Microsoft Word, Excel Access and Powerpoint.

**CSC 220 Microcomputer Applications (3)**

**F, Sp, Su**

*Prerequisite* CSC 101. This is a practical course, a continuation of CSC101, with emphasis on the solution of business problems using application software. This course will include advanced word processing, spreadsheet analysis and database management, and presentation.

**CSC 232 Principles of Programming (3)**

**F, Sp, Su**

*Prerequisite* CSC 101. Algorithm development, computer program design, structured programming utilization, and flow charts are covered. This course also includes introductory programming in C++.

**CSC 250 Visual Basic (3)**

**F, Sp, Su**

*Prerequisite* CSC 232. An introductory course using an object oriented language for business programming. Students develop several business applications and are given an opportunity to expand their knowledge by further developing their own project at the end of the semester.

**CSC 333 System Analysis and Design (3)**

**F, Sp, Su**

*Prerequisite* CSC 232. Uses analysis and review of existing systems to explain the structured systems analysis and design process. Working with the system's life cycles, topics include flow diagrams, cost/benefit analysis, interviewing and documentation. Students are required to solve case studies and develop a documentation portfolio.

**CSC 335 Data Structures (3)**

**F, Sp, Su**

*Prerequisite:* CSC 232. This course studies the basic concepts of data structures and associated algorithms. The course covers arrays, simple sorting algorithms, stacks and queues, linked lists, recursion, advanced sorting, binary trees, red-black trees, 2-3-4 trees and external storage, hash tables, heaps graphs, and weighted graphs. The relative advantages and disadvantages of data structure and its use are discussed.



**CSC 341 Computer Organization (3)**

**F, Sp, Su**

*Prerequisite:* CSC 232. This course introduces computer hardware and system software concepts. The objective is to provide technical knowledge and skills on computer resource management, systems design, and systems implementation. Materials on systems architecture, data storage technology, systems integration and performance, input/output technology, data and network communication, computer networks, application development, operating systems, file management, internet and distributed applications, and system administration are presented in this course.

**CSC 345 Web Technology (3)**

**F, Sp, Su**

*Prerequisite:* CSC 232. A project orientation approach designed to acquaint students with the use of integrating the World Wide Web to solve practical problems. Students will develop a dynamic web site with current software development tools.

**CSC 350 Special Problems (3)**

**F, Sp, Su**

*Prerequisite:* CSC 232. Students are directed to perform projects or do individual readings in specific areas of computer science or management information systems.

**CSC 360 Computer Operating Systems (3)**

**F, Sp, Su**

*Prerequisite:* CSC 232. Introduces the students to operating systems and systems programming. Topics include design, implementation, and maintenance techniques, multi-level memory management and resource allocation, scheduling supervisors, loaders, I/O control systems, multi-programming, file and systems protection.

**CSC 365 Distributed Systems (3)**

**F, Sp, Su**

*Prerequisite:* CSC 232. This course focuses on protocols and methods for assigning jobs to more than one processor. Emphasis is on array processing, parallel processing, multiprocessing, multiprogramming, reliability, protection, and communication among cooperating processes.

**CSC 373 C++ Programming (3)**

**F, Sp, Su**

*Prerequisite:* CSC 232. Introduction to object-oriented programming languages with an emphasis on programming styles and algorithm development. Students will learn methodology for program development. Topics include primitive types, control structures, strings arrays, classes and objects, data abstraction inheritance polymorphism.

**CSC 374 Java Programming (3)**

**F, Sp, Su**

*Prerequisite:* CSC 232. Java is currently the language of choice for building applications on the web. Beginning programmers learn this object-oriented, platform-independent language in order to obtain marketable general-purpose programming skills.

**CSC375 Network and Data Communications (3)**

**F, Sp, Su**

*Prerequisite:* CSC232. This course covers the basic concepts of network and data communications. The course covers sections on network design essentials, media, interface cards, communications and protocols, architectures, administration and support, types of networks, troubleshooting network problems, and internet resources.

**CSC 385 Artificial Intelligence (3)**

**F, Sp, Su**

*Prerequisite:* CSC 232. This course discusses various areas of artificial intelligence including knowledge representation, learning vision, expert systems, robotics and natural languages. Artificial Intelligence programming languages and their techniques and control structures are also presented.

**CSC 395 Software Engineering Principles (3)**

**F, Sp, Su**

*Prerequisite:* CSC 232. This course uncovers the process of software engineering from beginning concepts, to design, testing, maintenance and retirement. Issues concerning integration, software quality, security, fault tolerance, human factors, operation, product feasibility and organizational structures are discussed.

**CSC 405 Programming Languages (3)**

**F, Sp, Su**

*Prerequisite:* CSC 232. This course studies the basic concepts of programming languages. Students will gain a broad comprehension of many diverse programming languages, along with confidence and understanding, allowing the students to adopt new languages as they become available in the future.

**CSC 413 e-Commerce (3)**

**F, Sp, Su**

*Prerequisites/Co-requisites* CSC 345 and MAR 301. This course introduces students to both the theory and practice of conducting business over the Internet and world wide web. It introduces business strategies, technologies and how they are integrated into a business model.

**CSC 420 Independent Study (3)**

**F, Sp, Su**

*Prerequisite:* Senior Standing with instructor approval. This course provides students with independent reading and/or research with the direction and supervision given by computer science and information systems' faculty.

**CSC 441 Honors Research (3)**

**F, Sp, Su**

*Prerequisites:* Senior Standing and permission of the Chairperson. Intended for honor students and involves research in Computer Science. Students will develop their own hypotheses and test them through a series of well-planned experiments. During the last semester of the senior year, each student will present his/her report in scientific format and defend it at a session before the University Honors Committee and members of the School/Department.

**CSC 445 Management Information Systems (3)**

**F, Sp, Su**

*Prerequisite:* CSC 232. Study of life cycle and prototyping methodologies used to develop, implement, and maintain computer-based information systems. Discusses transaction processing, management information and decision-support systems. Can include case studies and team presentation.

**CSC 460 Senior Project (3)**

**F, Sp, Su**

*Prerequisite* Senior Standing. The intent of this course is to provide senior-level computer science and management information systems majors an opportunity to undertake valuable research in areas of computer and information technology.

**CSC 475 Computer Algorithm (3)**

**F, Sp, Su**

*Prerequisite:* CSC 473 or CSC 474. This course is a study of algorithm design, algorithm complexity analysis, and problem complexity analysis. Types of problems addressed will include dynamic programming, searching and sorting, divide & conquer, backtracking, branch-and-bound.

**CSC 483 Database Concepts and Design (3)**

**F, Sp**

*Prerequisite* CSC 333 or CSC 395. The study focuses on the theoretical design and management of database systems conceptual data models, implementation models, data dictionary and policy formulation. The study will also uncover structures relating to databases, design methodology, normalization, integrity constraints, distributed databases, data warehouse, and relational algebra.

**CSC 485 Simulation & Management Application I (3)**

**Sp**

*Prerequisite:* Senior Standing. A study of program packages leading to solutions of management problems. Advanced techniques in solving problems will be discussed and preparing for IT Certification.

**CSC 486 Simulation & Management Application II (3)**

**Sp**

*Prerequisite:* CSC 485. A continuation of CSC 485. The course includes advanced techniques for applying the computer in solving complex problems and preparing for IT certification.

**CSC 487 Database Programming (3)**

**F, Sp, Su**

*Prerequisite:* CSC 483. The study teaches logical design approach and implementation of databases to derive the physical design. Developing and querying databases using a database package and structured query language SQL will be emphasized. Function of Database Management Systems, SQL data definition language, data manipulation language, database objects and other database tools will be discussed and used to resolve database problems ranging from the simple to the most complicated. Data administration issues will also be addressed.

**CSC 490 Computer Ethics & Society (3)**

**F, Sp, Su**

*Prerequisite:* Senior Standing. This course deals with the ethical and social issues arising from the development and deployment of computers in society. The course also provides fundamental information about computer and technology ethics, as well as the details the ramifications of continuing technological developments with regard to privacy, security, piracy, access to computing technology for person with disabilities and other important philosophical and ethical issues.

**CSC 494 Software Project Development (3)**

**F, Sp, Su**

*Prerequisite:* CSC 333 or CSC 395. Detailed techniques for designing and developing software for large programs will be addressed. Design strategies, methodologies, and various paradigms are taught. Architectural models, development tools and environments, implementation guidelines, and documentation will be included.

**CSC 498 Cooperative Education in Computer Science I (1-6)**

**F, Sp, Su**

*Prerequisite:* Permission of the Chairperson. Provides entry level work experience in the areas of analyzing, designing, implementing, and testing computer hardware and software. This course also includes managing information systems, and processing data for federal, state, or local governments, private enterprises or other agencies.

**CSC 499 Cooperative Education in Computer Science II (1-12)**

**F, Sp, Su**

*Prerequisite:* Permission of the Chairperson. Provides advanced work experience in analyzing, designing, implementing, and testing computer hardware and software. This course also includes managing information systems, and processing data for federal, state, or local governments, private enterprises, or other agencies.

**Criminal Justice**

**CRJ 200 Introduction to the Criminal Justice System (3)**

**F, Su**

Presents a relatively broad view of the entire criminal justice process: agencies, courts, police, correction prisons, jails, probation, and parole; providing historical and philosophical foundations of the system, developing a knowledge of terms, practices, and procedures, and emphasizing contemporary problems within the system.

**CRJ 301 Criminal Law I (3)**

**F, Su**

*Prerequisite:* CRJ 200. Designed to provide knowledge of the elements of proof necessary for prosecution of the various substantive crimes, viewing both that of the common law and statutory modifications; trial and appellate procedure, rules of evidence, codes of criminal procedure and current trends and problems within the judiciary system.

**CRJ 302 Criminal Law II (3)**

**Sp, Su**

*Prerequisite:* CRJ 200. A continuation of Criminal Law I, this course places emphasis on constitutional foundations and restraints on the exercise of government power. The case study method is used, emphasizing decisions of the U.S. Supreme Court in areas of basic rights and liberties pertinent to arrest and restraint, right to counsel, search and seizure, freedom of speech, due process, the judiciary in involvement of the rule of law, and protection of individual rights in a democracy.

**CRJ 303 Probation and Parole System (3)**

**F, Su**

*Prerequisite:* CRJ 200. Examines the community-based treatment aspect of the corrections system. Probation and parole philosophy and development, pre-sentence investigation, supervision and methods are reviewed.

**CRJ 304 Causes and Prevention of Delinquency and Crime (3)**

**Sp, Su**

*Prerequisite:* CRJ 200. Provides a wide scope of knowledge in the application of social theory and research of the problems of delinquency and crime. Emphasis is placed on means and methods of treatment of the individual as a means of preventing criminal careers and recidivism. Institutions and agencies theory and practice are explored.

**CRJ 305 Confinement Facilities (3)**

**F, Su**

*Prerequisite:* CRJ 200. A critical analysis of the origin and development of jails, prisons and correctional facilities. Institutional procedures, physical plants, custody and control, administration and management procedures, inmate treatment, and preparation for return to the community are studied.

**CRJ 306 Correctional Philosophy and Services (3)**

**F, Su**

*Prerequisite:* CRJ 200. Emphasizes community treatment programs as alternatives to institutionalization, the use of volunteers and para-professionals, release and furlough programs. This course also examines community resources that affect the criminal justice system.

**CRJ 307 Criminology (3)**

**Sp, Su**

*Prerequisite:* CRJ 200, MAT 111, BIO 130, BIO 131, CHE 110, CHE 111. An examination of the field of criminology, including related theories, basic assumptions, definitions and concepts

**CRJ 400 Selected Topics in Criminal Justice (3)**

**Sp, Su**

*Prerequisite:* CRJ 200. Topics may include: methods of correctional treatment, criminal investigation, government and industrial security, selected law topics, and police-community relations.

**CRJ 403 Police Administration (3)**

**F Sp**

*Prerequisite:* CRJ 200. A study of the principles of organization, administration, and functioning of police departments to include inspection and control, personnel training, and operations. Emphasis is also placed on operational services, records, communication and custody.

**CRJ 405 Law Enforcement (3)**

**F, Sp**

*Prerequisite:* CRJ 200. A study of both procedural and substantive state statutes and state traffic laws. Legal guidelines for police officers are included.

**CRJ 406 Senior Seminar in Criminal Justice (3)**

**Sp, Su**

*Prerequisite:* 12 credits in Criminal Justice. Provide opportunities for advanced discussion and projects focusing on current issues and problems in the criminal justice system.

**CRJ 407 Constitutional Law I (3)**

**F, Su**

*Prerequisite:* CRJ 200. An exploration of pre-constitutional development philosophy and forms of constitutions, interpretation and constructions, the amendment of constitutions, the federal system, distribution of sovereign powers, power of the executive, legislative, and judicial branches of government, constitutional limitations, guarantees and the impact of the constitution upon the criminal justice system.

**CRJ 408 Constitutional Law II (3)**

**Sp, Su**

*Prerequisite:* CRJ 200 and POL 301. A continuation of Constitutional Law I, this course additionally explores civil rights and liberties.

**CRJ 409 Criminal Evidence and Court Procedure (3)**

**Sp**

*Prerequisite:* CRJ 200. An examination of rules governing the admissibility of evidence, specifically as they affect the law enforcement officer in the process of arrest, use of force, search, seizure, preservation, custody, testimony and courtroom procedures.

**CRJ 410 Private and Public Security (3)**

**F, Su**

*Prerequisite:* CRJ 200. This course examines the field of private and public security systems including, the protection of life, property, and the maintenance of social order.

**CRJ 411 Drugs, Alcohol, and Crime (3)**

**Sp, Su**

*Prerequisite:* CRJ 200. This course examines history, pharmacology, health consequences and the criminal aspects of mind-altering drugs. Emphasis is on placed on the effects of substances on criminal behavior, the legal response to the problem, and on the treatment and prevention of drug abuse.

**CRJ 412 Criminal Investigation (3)**

**F, Su**

*Prerequisite:* CRJ 200. This course examines aspects of criminal investigations: its function, history, current obligation, and future prospects.

**CRJ 421 Field Placement I (3)**

**F, Sp, Su**

*Prerequisite:* Senior standing (90 credits). Learning through supervised work experience in a selected criminal justice department or agency. Supervision of the learning experience is provided by the agency and the faculty placement director. Registration and planning with the placement director must be completed one semester prior to placement.

**CRJ 422 Field Placement II (3)**

**F, Sp, Su**

*Prerequisite:* CRJ 421. This course, a continuation of Field Placement I, involves learning through supervised work experience in a criminal justice agency. Supervision of the learning experience is provided by the field placement director.

## Dance

### DAN 181 Dance Ensemble I (1)

F

Practical experience in dance production, including design, tryouts, choreography and public performance, under faculty supervision.

### DAN 182 Dance Ensemble II (1)

Sp

Continuation of DAN 181.

## Drama

### DRA 200 Drama Appreciation (3)

Sp

Drama and theatre from a literary perspective, beginning with early ritual to contemporary theatre, including influences by Africans and African Americans.

## Economics

### ECO 201 Principles of Macroeconomics (3)

F, Sp, Su

*Prerequisite:* MAT 110 OR MAT 111. A study of the aggregate level of national income and output as it affects economic growth and stability, inflation, unemployment.

### ECO 202 Principles of Microeconomics (3)

F, Sp, Su

*Prerequisite:* MAT 111 OR MAT 112. A study of U.S. market systems emphasizing concepts of supply and demand, competition, pricing, resource allocation as applied to issues in business, labor, and public policy.

### ECO 371 Money & Capital Markets (3)

F, Sp, Su

*Prerequisites:* ECO 201, ECO 202. Analytical framework to provide the necessary tools to understand the U.S. financial system and its operation. Topics include: financial markets, money management of financial institutions, the Federal Reserve System, monetary policy, and international financial system.

### ECO 420 International Economics and Trade (3)

Sp

*Prerequisites:* ECO 201 and ECO 202. A broad view of international trade with emphasis on the theories of international trade, balance of payments, commercial policy, international specialization, foreign exchange markets, and government intervention.

### ECO 485 Environmental Economics (3)

F

*Prerequisite:* ECO 210 and ECO 202. A study of the relations among resource allocations, environmental concerns, and economic institutions and policy. Emphasis is on alternative strategies in solving the problems of environmental quality and resource scarcity.



## Education

### EDU 201 Social Foundations of Education (3)

F, Sp, Su

*Teacher Certification Program only.* This course provides a clear understanding of the teaching profession and the issues and controversies confronting American education today. It provides a comprehensive body of information on the various foundations of education and significant contemporary educational issues from a broad, substantive and interdisciplinary viewpoint.

### EDU 202 Psychological Foundation of Education (3)

F, Sp, Su

*Teacher Certification Program only.* The major contributions from psychology for educational practice are outlined.

### EDU 203 Sociological and Psychological Foundations of Education

F, Sp, Su

*All education majors.* This course is an introduction to social and psychological aspects of education. The social component includes the historical, philosophical and social aspects of education. The psychological component focuses on the nature of human growth and behavior and the teaching-learning process in the classroom.

### EDU 204 Teaching in Elementary Schools (3)

F, Sp, Su

*Teacher Certification course and Elementary majors in Education.* Emphasis will be placed on service to the elementary school community, while inspiring, motivating, and encouraging students to build a strong image about themselves and their educational needs. The teaching methodologies related to content specific areas will be studied.

### EDU 205 Multicultural Diversity (3)

F, Sp, Su

*Required for all majors in Education and Teacher Certification.* This course is designed to support and extend the current concepts of culture, cultural pluralism and equity into the formal school setting. It examines the historical and theoretical precepts of these concepts, and considers the use of students' cultural backgrounds to develop effective classroom instruction and school environments.

### EDU 206 Teaching in Middle and Secondary Schools (3)

F, Sp, Su

*Teacher Certification Course and required for Secondary majors and ESE majors.* Methods, materials, and procedures for teaching in the middle secondary school with emphasis on work units, lesson plans, nature of the pupil, learning activities, evaluation, reports, and classroom management techniques that focus on current trends and utilization of appropriate technology.

### EDU 301 Language Arts for Elementary Schools (3)

F, Sp, Su

*Teacher Certification Course.* This course considers principles of current scientific study of language experience in a child's life and the nature of development of needs, interests, and abilities in the basic communication skills. The course emphasizes planning and guidance of curricular activities and development of language experiences through print media texts and non-print media which includes

technology. For students in grades K -6. The needs of special students are also addressed. This course is based on State and National Standards.

**EDU 302 Science in Elementary School (3)**

**F, Sp, Su**

*Prerequisites: BIO 101, PSC 101, ENV 101.* This course is designed to provide techniques of instruction and methods of instruction in the delivery of an elementary science curriculum. Topics will include educational philosophies, how children learn science, learning activities, thinking skills, science resources, assessment and subject matter in the major science content areas. For students in grade K- 6. The needs of special students are also addressed. The course is based on State and National Standards.

**EDU 303 Music for Elementary Schools (3)**

**F, Sp, Su**

*All elementary education majors and Teacher Certification.* This course is designed to provide background knowledge in music for elementary classroom teachers to use in helping students understand basic fundamentals in music to assist students in understanding other subjects. Students will be involved in activities that are designed to motivate and make them more comfortable using music in the classroom. For students in grade K-6. The needs of special students are also addressed. The course is based on State and National Standards.

**EDU 304 Teaching Social Studies for Elementary Schools (3)**

**F, Sp, Su**

*All Elementary Education, Exceptional Education majors and Teacher Certification.* This course is designed to provide a knowledge base, instructional methods, and motivational techniques that will enable pre-teachers to help young people develop tools for effective living. Computers will be integrated into the learning process. For students in grade K-6. The needs of special students are also addressed. The course is based on State and National Standards.

**EDU 305 Teaching Art in Elementary Schools (3)**

**F, Sp, Su**

*All Elementary Education majors and Teacher Certification.* This course is designed to investigate and explore activities associated with, and integral to, the daily operations of an elementary school visual arts program. The course will focus upon the procedures applications and practices involved in creating, and producing the creative product for students in grade K-6. The needs of special students are also addressed. The course is based on State and National Standards.

**EDU 307 Teaching Mathematics in Elementary Schools (3)**

**F, Sp, Su**

*Prerequisites: Successful completion of Math 105 and Math 106 with a "C" or higher. All Elementary Education, Exceptional Education majors and Teacher Certification.* The course is designed to provide the most current and useable information in Mathematics useful for elementary teachers. It also integrates great ideas and pedagogy in teaching mathematics for students in grades K-6. The needs of special students are also addressed. The course is based on State and National Standards.



**EDU 308 Teaching Reading in the Elementary Schools (3)**

**F, Sp, Su**

*Prerequisites: Successful completion of ENG 102, REA 101 with a "C" or higher. All Elementary Education, Exceptional Education and Middle Grades and Secondary English Education majors.* Involves the reading process as it relates to principles of learning, child development, and self-image. The course considers current views of how young children become literate, how to help children become involved and interested in their own learning, and how to help children use reading and writing for authentic purposes for students in grades K-6. Selected ESOL competencies are also infused. The course is based on State and National Standards.

**EDU 309 Children's Literature (3)**

**F, Sp, Su**

*Teacher certification course only.* An overview of literary materials for children. The elementary school student teacher evaluates and select literature based on developmental appropriateness, develop a sound methodology for using books to enrich children's lives, and becomes familiar with these literacy materials.

**EDU 313, 314, 315 Pre-Student Teaching Lab (1)**

**F, Sp, Su**

*Required for all Education majors. Prerequisites: Successful completion of EDU 204 or 206 and EDU 203.* Pre-Student Teaching is a field experience for majors in education who are preparing for the status of internship. Students must observe the quality of classroom management techniques and participate in classroom activities. These experiences help to build self-confidence, eliminate shyness and stage fright, and provide an opportunity to test the decision to become a teacher.

**EDU 324 Teaching Health and Physical Education in the Elem. Schools (3)**

**F, Sp, Su**

*Teacher Certification Course and required course for Elementary majors. Prerequisite: physical education requirement.* This course is designed to acquaint the students with methods, procedures, techniques, and devices for teaching health and physical education in elementary schools. It uses a developmental approach and stresses exploratory methods of teaching young children. For students in grades K-6. The needs of special student are also addressed. The course is based on State and National Standards.

**EDU 331 Instructional Technology (3)**

**F, Sp, Su**

*Prerequisites: Successful completion of all EDU 200 level courses. All Education majors except Music Education.* This course is designed to teach students to incorporate media and technologies for learning in their repertoire, to use them as teaching tools, and to guide students in using them as learning tools in elementary and secondary schools.

**EDU 403 Teaching Reading in the Middle and Secondary Schools (3)**

**F, Sp, Su**

A study of the reading process as it relates to secondary reading in the content area. Exposure to reading inventories, diagnostic tests, materials and techniques of developmental and corrective reading; application of these skills through working with children at the secondary level in the public schools during pre-student teaching includes the systems approach.

**EDU 408 Classroom Behavioral Management (3)**

**F, Sp, Su**

*Required for all Education majors except Exceptional Education majors . Must be taken on the main campus. Prerequisites: Successful completion of EDU 205 and all 300 level EDU courses.* This course draws upon sociologists' perspective of schools as a social organization with an emphasis on the characteristics of the classroom as a social unit, the leadership functions of the teacher, and the impact of the teacher's leadership decisions on the classroom organization and its membership. It attends to classroom management practices, the principles of field psychology, behavioristic and humanistic psychology. It also covers transactional analysis, teacher effectiveness training, psychodrama, socio-drama, and technological management.

**EDU 411 Diagnosis and Remediation**

**F, Sp, Su**

*Prerequisite EDU 308. Required for English Elementary Education and Exceptional Education majors.* Current views on sequential development skills and concepts of reading, recognition and diagnosis of reading problems, and prescription and utilization of appropriate methods and materials to increase reading performance. Selected ESOL competencies are also included.

**EDU 412 Teaching Methods in Physical and Health Education (K-12) (3)**

**F**

*Prerequisite PED 401, 407, 409. Teacher Certification Course and Physical Education majors.* A broad coverage of the duties of physical education personnel, designed to acquaint the student with methods, procedures, techniques, and devices for teaching health and physical education in grades K-12. The needs of special student are also addressed. The course is based on State and National Standards.

**EDU 413 Curriculum Development (3)**

**F, Sp, Su**

*Teacher Certification Course Only.* A critical study of the organization, construction, and administration of learning experiences in modern educational theory with emphasis on the formulation of objectives, selection, organization and integration of instructional materials. *Teacher certification course.*

**EDU 414 New Trends in Education (3)**

**F, Sp, Su**

*Teacher Certification Course. An Education Elective for all education majors.* An investigation of new trends in education at the local, state, and national levels.

**EDU 417 Teaching Social Studies in Middle and Secondary Schools (3)**

**F, Sp, Su**

*Teacher Certification Course.* Methods and materials for teaching Social Studies in the middle and secondary school with emphasis on objectives, selection and organization of instructional units, teaching aids methods and procedures of instruction, and processes of evaluation. The needs of special students are also addressed. The course is based on State and National Standards.

**EDU 418 Teaching English in Middle and Secondary Schools (3)**

**F, Sp, Su**

*Teacher Certification Course and required for English Education majors. Prerequisites: Successful completion of ENG 101, 102, REA 101* Methods and materials for teaching English in the middle and secondary school

with emphasis on objectives, selection and organization of instructional units, teaching aids, methods and procedures of instruction and processes of evaluation. The course is based on State and National Standards.

**EDU 419 Teaching Science in Middle and Secondary Schools (3) F, Sp, Su**

*Teacher Certification Course. Required for Science Education Majors.* Objectives, contents, and methods in secondary school science programs with emphasis on current practices and instructional materials. The needs of special students are also addressed. The course is based on State and National Standards.

**EDU 422 Teaching Mathematics in the Middle Schools (3) F, Sp, Su**

*Prerequisites: Teacher certification course. Required for middle grades mathematics majors. Successful completion of 200 and 300 level mathematics course* A study of effective methods of teaching mathematics in the middle schools with a discussion of textbooks and tests. The course is based on State and National Standards.

**EDU 423 Teaching Mathematics in the Secondary Schools (3) F, Sp, Su**

*Pre-requisite: Successful completion of 200 and 300 level mathematics course, and passed mathematics section of General Knowledge (GK).* A study of effective methods of teaching mathematics in the secondary schools with a discussion of textbooks and tests. The course is based on State and National Standards.

**EDU 426 Content Area Reading (3) F, Sp, Su**

*Pre-requisites: Successful completion of English 101, 102. Required for all Education majors.* This course will focus on the pre-service teacher working towards enabling children to view reading as a powerful source of acquiring information, to use reading materials purposefully, to develop as proficient readers and learners who enjoy reading materials purposefully, and to develop as proficient readers and learners who enjoy reading and learning. The course will include theories about effective reading instruction and procedures for implementing that instruction, including diagnostic teaching techniques for students in grades K-12. Selected ESOL competencies are also infused. The course is based on State and National Standards.

**EDU 427 Language Art & Children's Literature in Elementary School (3) F, Sp, Su**

*Pre-requisites: Successful completion of English 101, 102. All Elementary Education, Exceptional Education, and Middle Grades and Secondary English Education majors.* This course considers principles of modern scientific study of language experience in a child's life, the nature of development of needs, interest, and abilities in the basic communication skills. It provides an overview of literary materials for children in early and elementary school with an emphasis on pre-service teachers becoming familiar with popular children's literature, on their being able to evaluate and select literature based on children's developmental appropriateness, and on their developing a sound methodology for using books to enrich children's lives. For students in grades K-12. Selected ESOL competencies are also infused. The course is based on State and National Standards.

**EDU 428 Practicum in Reading (3)**

*Pre-requisites: EDU 308, 411.* This course is designed to afford students a supervised practicum to obtain practical experience in increasing the performance of a student(s) with the prescription and utilization of appropriate strategies and materials based upon scientifically based reading research to address the prevention, identification, and remediation of reading difficulties.

**EDU 429 Remedial Reaching of Reading (3)**

*Pre-requisites: EDU 308, 411* This course provides students with a repertoire of knowledge and competencies necessary to identify and understand struggling readers, and also provides students with a repertoire of strategies, skills, and attitudes necessary to address remediation of reading difficulties.

**EDU 431 Teaching Music K-12 (3)**

**F, Sp, Su**

*Teacher Certification Course. Required for Music Education Majors. Prerequisites: Successful completion of all EDU courses.* This course prepares students to teach music K-12 as required by the State of Florida, leading to the Music K-12 Teaching Certificate. The course places emphasis on practices and competencies needed to teach vocal and instrumental music in the school curriculum. It also involves analyzing contemporary methods of teaching music. The needs of special students are also addressed.

**EDU 439 Tests and Measurements (3)**

**F, Sp, Su**

*Required for all education majors except Exceptional Education majors. Pre-requisite: Successful completion of 200 and 300 level mathematics courses.* This course reflects the use of performance based procedures to measure complex achievement. The fuller array of assessment-procedures includes traditional and authentic assessment.

**EDU 450 Educational Internship (9)**

**F, Sp**

*Prerequisites: Successful completion of all major requirements and all sections of General Knowledge and Professional Education subtest.* Practical experience in teaching activities of the classroom with the student in full charge of the class under the guidance of a skilled, experienced teacher in the field.

**EDU 455 Methods/Materials for Teaching Languages in the Elementary**

**School (3) F, Sp** *Teacher Certification Course Only.* Designed to acquaint the student with methods, media, and procedures especially applicable to the teaching of languages in the elementary or secondary school levels. A one-hour laboratory experience per week in a field school or college living-learning center is required.

**EDU 456 Teaching Spanish in the Elementary Schools (3)**

**F, Sp, Su**

*Teacher Certification Course Only.* Designed methods, media, and procedures, applicable to the teaching of the Spanish language in the elementary school. There will be major emphasis on pronunciation, oral work, reading, reviews, examinations, tests, and supervised study.

**EDU 457 Methods of Teaching Spanish in the Middle and Secondary School (3) F, Sp, Su**

*Teacher Certification Course Only.* Focuses on values of foreign language teaching, ultimate and immediate aims in Spanish language teaching, survey of methods, pronunciation, oral work, reading, grammar, reviews, examinations, tests, and supervised study. The course consists of readings and discussions, lesson planning and demonstrations, and organization of material for use in student teaching.

**EDU 458 General Methods of Teach Foreign Languages (K-12) (3) F, Sp, Su**

*Teacher Certification Course Only.* Designed to acquaint the student with methods, media, and procedures applicable to the teaching of foreign languages in grades K-12. This course consists of reading and discussions, lesson planning, and demonstrations.

**EDU 499 Independent Study (3)**

*Prerequisites: Completion of General Core Courses.* This course provides independent direction and supervision of a special topic in a specific area of education under the supervision of an education instructor.

**English for Speakers of Other Languages**

**ESOL 401 Cultural Communications (3) F, Sp, S**

*Prerequisite EDU 205. Teacher Certification Only.* This course examines cultural factors which influence the acquisition of learning of native and target languages. The course will focus on how an awareness of native and target cultural factors contribute to the effective teaching of the respective language.

**ESOL 402 Curriculum and Materials Development (3) F, Sp, S**

*Prerequisite: EDU 203, 204 or 206 and 205. Teacher Certification and All Education Majors.* A study of the content development, materials, and evaluation of ESOL curriculum for use in bilingual or multilingual settings. The course includes a survey of techniques for assessing needs, determining objectives, and designing and evaluating curriculum materials.

**ESOL 403 Methodology of Teaching ESOL (3) F, Sp, S**

*Prerequisite: EDU 203, 204 or 206 and 205. Teacher Certification Only.* A survey of techniques used in teaching ESOL including a review of audio lingual, cognitive code, and functional/national approaches. This course examines curriculum and methods used in teaching and testing the skills of speaking, listening, understanding reading and writing.

**ESOL 404 Teaching and Evaluation in ESOL (3) F, Sp, S**

*Prerequisite: EDU 203, 204 or 206 and 205. Teacher Certification Only.* Development of teacher-made tests. Applied standard tests in ESOL & BLE classes. Interpretation of statistics data in grading. Testing the skills of speaking, listening, and understanding reading and writing.

**ESOL 499 Independent Study in ESOL Education (3)**

**F, Sp, S**

*Prerequisite:* Completion of General Core Courses and 300 level EDU or ESE courses. This course provides independent direction and supervision of a special topics English for Speakers of Other Languages education, under the supervision of an ESOL education instructor.

**ESOL 499 Independent Study in ESOL (3)**

*Prerequisites:* Completion of General Core Courses. This course provides independent direction and supervision of a special topic in a specific area of education under the supervision of an education instructor.

**English**

**DSE 099 Essentials of College English (3)**

**F, Sp, Su**

This course prepares students to be successful in ENG 101 College Writing I. The course concentrates on the fundamentals of Edited American English for writing and addresses grammar, mechanics, usage, sentence structure, and paragraph development in essays. Information technology is incorporated throughout the course.

**ENG 101 College Writing I (3)**

**F, Sp, Su**

*Prerequisite:* Successful completion of DSE 099 or the required minimum scores on the writing and grammar sections of the placement test. This course focuses on effective writing, grammar review, and critical thinking. Students develop research and writing skills using classical rhetorical modes of argument and logic and by writing college-level essays and research papers with the use of information technology. This course will satisfy the Gordon Rule requirement in the Florida State University System.

**ENG 102 College Writing II (3)**

**F, Sp, Su**

*Prerequisite:* Successful completion of ENG 101 or the required minimum scores on the writing and grammar section of the placement test. This is an intensive writing, reading, and research course. Students compose research papers and college-level essays based on readings from poetry, short stories, drama, novels, periodicals, and other literature, incorporating the use of information technology. This course will satisfy the Gordon Rule.

**ENG 111 First Year Literature (3)**

*Prerequisite:* None This course is designed to encourage an enjoyment of reading through literary works and poetry. Students will be encouraged to exchange ideas in open discussions of the reading and dramatic interpretation of the material. Critical response and self-expression will also be introduced and developed. This course will not satisfy the Gordon Rule requirement in the Florida State University System.

**ENG 201 World Literature I (3)**

**F**

*Prerequisite:* ENG 102. Survey course in world literature. An appreciation of diverse cultures through the literature produced on the European and Asian continents by civilizations such as the Babylonians, Greeks, Chinese, Indians, Romans, Japanese, Scandinavians, and Anglo-Saxons, c. 700 B.C.E. to 1400 C.E.

**ENG 202 World Literature II (3)**

**Sp**

*Prerequisite:* ENG 102. A survey course in world literature. The continuance of World Literature I, from the Renaissance through the post World War II period. The multi-cultural approach will include European, Asian, African, and Native American writers.

**ENG 212 Ethnic American Literature (3)**

**F**

*Prerequisite:* ENG 102. This course will focus on works written by African Americans, Native Americans, Mexican Americans, Asian Americans, Puerto Ricans, and others.

**ENG 297 Caribbean Literature (3)**

**Sp**

*Prerequisite:* ENG 102. This course will include a representative range of Caribbean writers.

**ENG 301 Advanced Composition & Rhetoric (3)**

**Sp, Su**

*Prerequisite:* ENG 102. Advanced comprehensive exercises in expository writing designed to develop sophistication of style in the student's writing. Upon approval of the advisor, this course can substitute for Eng 309.

**ENG 303 English Literature I (3)**

**F**

*Prerequisite:* ENG 102. A survey course of English literature from the Middle Ages through the eighteenth century.

**ENG 304 English Literature II (3)**

**Sp**

*Prerequisite:* ENG 102. A study of English authors of the Romantic, Victorian, Modern, and Contemporary periods.

**ENG 308 African American Literature (3)**

**Sp, Su**

*Prerequisite:* ENG 102. A study of African American authors and their works to include a close examination of the African American legacy as a basis for understanding American civilization.

**ENG 309 Advanced Grammar & Composition (3)**

**F, Su**

*Prerequisite:* ENG 102. An advanced course in developing and analyzing argumentative writing across a range of academic, professional, and popular writing contexts. Upon approval of the advisor, this course can substitute for Eng 301.

**ENG 310 Study Abroad (3-6) Su**

*Prerequisite:* Permission of the Director of the Study Abroad Program. On-site explorations of personalities, original manuscripts, and locales of major authors.

**ENG 315 Adolescent Literature (3)**

**Sp, Su**

*Prerequisite:* ENG 102. An overview of literature written for, by, or about young adults

**ENG 316 African American Women Writers (3)**

**F, Sp**

*Prerequisite:* ENG 102. This course is an overview of the writings of African American women from the Colonial period to the present.

**ENG 340 American Literature (1945 to the Present) (3)**

**F, Sp**

*Prerequisite:* ENG 102. This course is a survey of American literature from 1945 to the present.



<b>ENG 351 Contemporary Poetry (3)</b> <i>Prerequisite:</i> ENG 102. Poetry of the Contemporary Period, 1950 to the present.	<b>F, Sp</b>
<b>ENG 355 The Harlem Renaissance (3)</b> <i>Prerequisite:</i> ENG 102. Emphasis on writers, musicians, and artists of the Harlem Renaissance.	<b>F</b>
<b>ENG 361 Contemporary Fiction (3)</b> <i>Prerequisite:</i> ENG 102. Fiction of the Contemporary Period, 1950 to the present.	<b>Sp</b>
<b>ENG 371 Contemporary Drama (3)</b> <i>Prerequisite:</i> ENG 102. Drama of the Contemporary Period, 1950 to the present.	<b>F, Sp</b>
<b>ENG 383 Literary Criticism (3)</b> <i>Prerequisite:</i> ENG 102. Approaches to literary criticism. Emphasis on twentieth century theory, including Post-structuralism, gender studies, and multicultural criticism.	<b>F</b>
<b>ENG 400 The Novel (3)</b> <i>Prerequisite:</i> ENG 102. A study of the genre through selected novels.	<b>F, Sp</b>
<b>ENG 401 Renaissance Literature (3)</b> <i>Prerequisite:</i> ENG 102. A study of the major writers of the 16th and 17th centuries.	<b>F</b>
<b>ENG 402 Romantic Literature (3)</b> <i>Prerequisite:</i> ENG 102. A study of British poetry and prose, 1789-1832.	<b>Sp</b>
<b>ENG 403 Shakespeare (3)</b> <i>Prerequisite:</i> ENG 102. Examination of Shakespeare's representative plays and sonnets.	<b>Sp</b>
<b>ENG 404 Victorian Literature (3)</b> <i>Prerequisite:</i> ENG 102. A study of British literature from 1832- 1901.	<b>Sp</b>
<b>ENG 405 Creative Writing (3)</b> <i>Prerequisite:</i> ENG 102 Analysis and writing of poems, drama, and short stories.	<b>F, Sp</b>
<b>ENG 410 Study Abroad (3-6)</b> <i>Prerequisite:</i> Permission of the Director of the Study Abroad program. On-site explorations of personalities, original manuscripts, and locales of major authors.	<b>Su</b>
<b>ENG 441 Women Writers (3)</b> <i>Prerequisite:</i> ENG 102. Selected readings of women's writings and feminist criticism.	<b>Sp</b>
<b>ENG 442 Postcolonial Literature (3)</b> <i>Prerequisite:</i> ENG 102. This course will include an interdisciplinary study of postcolonial literature by selected writers.	<b>Sp</b>
<b>ENG 443 Special Topics (3)</b> <i>Prerequisite:</i> ENG 102. Content to be determined by the Department as requested by faculty or students to fill specified needs or interests. May be taken twice for an additional three credits.	<b>F, Sp</b>



**ENG 444 Mythology (3)**

**F**

*Prerequisite:* ENG: 102. Survey course of major myths and noteworthy minor myths which various cultures have developed in attempts to come to terms with perceived reality. The course will also explore the belief systems which underlie those myths and enable students to recognize the continued relevance of myth and myth-making.

**ENG 455 American Literature (1800-1865) (3)**

**F**

*Prerequisite:* ENG 102. A survey course of American literature in the early 19<sup>th</sup> century through the Civil War. Representative works include those of Emerson, Whitman, Poe, Hawthorne, Melville, Horton, Douglass, Stowe, Brown, Jacobs, Fuller, and other American writers.

**ENG 456 American Literature (1865-1914) (3)**

**F, Sp**

*Prerequisite:* ENG 102. Realism in American literature: representative works include Clemens, Howells, James, Chopin, Washington, Gilman, Du Bois, Crane, Dreiser, and other American writers.

**ENG 457 American Literature (1914-1945) (3)**

**F, Sp**

*Prerequisite:* ENG 102. Modernism in American Literature: representative works include Millay, Frost, Anderson, O'Neill, Eliot, Hurston, Fitzgerald, Hemingway, Hughes, Wright, and other American writers.

**ENG 460 Applied Linguistics (3)**

**F, Sp, Su**

*Prerequisite:* ENG 102. An overview of the principles of linguistics applied to language teaching and learning. Emphasis on constructive analysis of native and target languages applied to teaching bilingual/ESOL or foreign language students. This course is not applicable as credits toward an English degree.

**ENG 465 Internship (3)**

**Su**

*Prerequisite:* ENG 102. This course provides the student with on-the-job training under the auspices of the employer and department advisor. May be taken twice for an additional three credits.

**ENG 495 Senior Project (3)**

**F**

*Prerequisite:* Permission of advisor. A capstone course in English requiring research, critical thinking, technology, presentation, and scholarly proficiency. MLA format is required.

**English as a Second Language**

**ESL 098 College Language Skills I (3)**

**F, Sp, Su**

*Prerequisite:* Placement examination. A fundamental college course primarily for non-native speakers of English. Stress is on the development of all communication skills (listening, speaking, reading, writing) toward gaining functional proficiency in critical reading and academic writing.

**ESL 099 College Language Skills II (3)**

**F, Sp, Su**

*Prerequisite:* Placement examination or ESL 098. Continued development of all communication skills (listening, speaking, reading, writing) toward gaining functional proficiency in critical reading and academic writing.

## Environmental Studies

### ENV 101 Introduction to Environmental Science (3) F, Sp, Su

This course is a general introduction to environmental concepts, including a history of the environmental movement, global habitats, ecosystem dynamics, population dynamics, living resources, biodiversity, environmental hazards, environmental justice, energy resources, air and water resources, eco-spirituality, and sustainability.

### ENV 131 Introduction to Earth Science (3) F, Sp, Su

This course is designed as a survey of astronomy, geology, meteorology, and marine science to prepare teachers of earth science in the middle schools.

### ENV 301 Wetland Ecology (3) F, Sp, Su

*Prerequisite:* BIO 130. An examination of the structure, function, and dynamics of wetland ecosystems, with emphases on wetlands in tropical and semi-tropical regions and the effects of human activities.

### ENV 302 Wetland Ecology Laboratory (1) F, Sp, Su

*Prerequisite:* BIO 131. A field examination of the structures and dynamics of wetland ecosystems in Southern Florida, including soil types, indicator species, and human influences.

### ENV 304/GEO 304 Population Studies (3) Sp

A study of demographic patterns, fertility, birth rates, death rates, and a comparison of population growth and problems and issues.

### ENV 331 Urban Ecology (3) F, Sp, Su

*Prerequisite:* BIO 320. An examination of urban and suburban ecosystems, emphasizing energy relations, ecological functions of urban landscapes, urban wildlife, urban forestry, and ecological issues relevant to human health and well-being.

### ENV 332 Urban Ecology Laboratory (1) F, Sp, Su

*Prerequisite:* BIO 321. A field examination of the structures and dynamics of urban ecosystems in Southern Florida, including soil types, indicator species, and human influences.

### ENV 362 Spirit and Nature (3) F, Sp, Su

A survey of environmental philosophy and theology, including deep ecology, eco-feminism, social ecology, creation theology, and earth wisdom.

### ENV 381 Air Resources (3) F, Sp, Su

*Prerequisite:* ENV 101. An examination of common air pollutants, their sources, methods of control, and various legislative and administrative approaches.

### ENV 382 Water Resources (3) F, Sp, Su

*Prerequisite:* ENV 101. An examination of water use and management, water pollution problems, and methods of control and treatment.

### ENV 383 Biotic Resources (3) F, Sp, Su

*Prerequisite:* ENV 101. An examination of the earth's biomes and the factors influencing their productivity, conservation, and human use. Particular attention will be given to sustainability.

**ENV 384 Energy Resources (3)**

**F, Sp, Su**

*Prerequisite:* ENV 101. An examination of energy resources and power generation in modern society, as well as the fundamental energy relationships between industrial and domestic processes.

**ENV 401 Ecology of South Florida (3)**

**F, Sp, Su**

*Prerequisites:* BIO 320. An examination of the structure, function, and dynamics of the South Florida ecosystems.

**ENV 402 South Florida Ecology Laboratory (1)**

**F, Sp, Su**

*Prerequisite:* BIO 321. A field examination of the structures and dynamics of ecosystems in South Florida, including the identification of selected species.

**ENV 450 Field Studies in Environmental Studies (3)**

**F, Sp, Su**

Original investigations on a topic in environmental studies conducted in the field under the supervision of a directing faculty member.

**ENV 451 Senior Seminar (3)**

**F, Sp, Su**

A series of talks and exercises on the development of professional skills, data presentation, current environmental topics, and the presentation of original field or library research.

**ENV 470 Natural Resource Management (3)**

**F, Sp, Su**

*Prerequisite:* Senior standing in Environmental Science. An introduction to the management of natural resources, including timber, fisheries, national parks, rangelands, and mining.

**ENV 471 Environmental Policy in the United States (3)**

**F, Sp, Su**

*Prerequisites:* Senior standing in Environmental Science or permission of the instructor. An introduction to environmental policy, including applicable environmental legislation, and the role of regulation at the national, state, and county levels.

**Exceptional Student Education**

**ESE 408 Behavior Management for Students with Varying Exceptionalities (3)**

**F, Sp, Su**

*Prerequisites:* ESE 430, ESE 434. *Exceptional Student Education majors only.* A comprehensive course that focuses on the positive manipulation of the learning environment to promote successful behavior and skill acquisition. The student will learn how to do preventive discipline —proactive strategies and activities appropriate for managing the spectrum of exceptional students.

**ESE 430 Introduction to Exceptional Child Education (3)**

**F, Sp, S**

*Prerequisites:* Completion of all 200 level EDU courses and approval of instructor. *Exceptional Student Education majors only.* On overview of effective teaching methods and procedures for exceptional children. It includes historical perspective, recent programming efforts for children with impairments in vision, hearing, language and speech, emotional problems and learning disabilities. It also covers children with limited intellectual capacity and gifted children.

**ESE 434 Characteristics of Individuals with Varying Exceptionalities (3)**

**F, Sp**

*Prerequisite* ESE 430. *Exceptional Student Education majors only.* The course integrates theory, research, and practice in the field of mental retardation, specific learning disabilities, and emotional handicaps. The course emphasizes definitions and concepts, theories of learning, classification, prevalence, etiologies, behavioral characteristics, prevention and intervention strategies, multicultural issues, and classroom technology. Also at-risk factors associated with learning disabilities, emotional handicaps, and mental retardation. Service delivery system will be reviewed and current research and trends discussed.

**ESE 435 Curriculum and Instruction for Mild to Moderate Individuals with Varying Exceptionalities (3)**

**F, Sp**

*Prerequisites:* ESE 430, ESE 434. *Exceptional Student Education majors only.*

A comprehensive course covering curriculum, methods, and materials designed for mild to moderate levels of learning disabled, emotionally handicapped, and mentally handicapped individuals. Topics include preferred behavior management strategies and observation methods for problem behaviors used for teaching and managing students who display complex behavior problems and who need academic and pre-functional living skills. The course also covers strategic and tactical planning as well as curricula for academic, social, and prevocational skills development.

**ESE 436 Curriculum and Instruction for Mild to Moderate Individuals with Varying Exceptionalities II (3) F, Sp**

*Prerequisites:* ESE 430, ESE 434, ESE 435. *Exceptional Student Education majors only.* This course provides an exhaustive covering of curriculum, methods, and materials designed for mild to moderate levels of learning disabled, emotionally handicapped, and mentally handicapped individuals through the continuation of Curriculum and Instruction I. More in-depth coverage of diagnostic procedures, planning techniques, instructional methods, uses of technology, and the instructional needs of individuals from diverse linguistic and cultural backgrounds.

**ESE 447 Assessment of Exceptional Students (3)**

**F, Sp**

*Prerequisites:* ESE 430, ESE 435, or ESE 430 and ESE 444. *Exceptional Student Education majors only.* This course provides a comprehensive guide to the assessment of students with disabilities. An understanding of the assessment process and the concrete, practical skills necessary to assess exceptional students will be examined.

**ESE 448 Teaching in an Inclusive, Collaborative, Consultative, Diverse Environment (3) F, Sp**

*Prerequisites:* ESE 430, ESE 434, ESE 435, ESE 436, ESE 447. *Exceptional Student Education and Elementary Education majors only.* A course preparing teachers to meet the individual needs of students at-risk, with disabilities, or both, and who have been integrated into the general education classroom.

**ESE 499 Independent Study in Exceptional Student Education (3)**

*Prerequisites:* Completion of General Core Courses and 300 level EDU. *Exceptional Student Education majors only.* This course provides independent direction and supervision of a special topic in Exceptional Student Education (ESE) under the supervision of an ESE instructor.

## Finance

### **FIN 301 Principles of Finance (3)**

F, Sp, Su

*Prerequisite:* MAT 111. This course is designed to make students better decision-makers by focusing on contemporary finance problems facing today's manager. It examines how financial theories can be used in an environment characterized by market and institutional realities.

### **FIN 323 Corporate Finance (3)**

*Prerequisite:* Junior or Senior standing. This course provides an understanding of the theory and practice of making financial decisions for corporations including the environment in which decisions are made, the available choices and decision criteria, and valuation consequences of the choices. It also provides students skills in financial analysis, planning, and decision making.

### **FIN 333 Investments (3)**

*Prerequisite :* Junior or Senior standing. This course provides an understanding of capital market securities, operations, valuation, and investment techniques. It covers definitions of various investment vehicles, operation of the NYSE and NASDAQ markets, portfolio theory, valuation of stocks and bonds, and investor capital allocation decisions.

### **FIN 350 Principles of Financial Planning (3)**

*Prerequisite:* FIN 301. A study of the basic concepts in financial planning as it relates to income tax planning, educational planning, Investment planning, wealth accumulation planning and estate planning. Also the legal and ethical environments of financial planners.

### **FIN 493 Portfolio Analysis & Management (3)**

Sp

*Prerequisite:* FIN 301. Integrates theoretical concepts with investment applications, and stresses the economic rationale for various investments. Software support enriches the learning experience by simulating the real world of investments. Students create and manage portfolios, trade stocks, bonds, warrants, options, futures contracts, and foreign currency.

### **FIN 495 Futures & Options Markets (3)**

Sp

*Prerequisite:* FIN 301. This course focuses on understanding how to use the financial future and options, the related cash and debt markets to achieve various financial risk management goals. The underlying objectives are: concepts, empirical evidence, and essential tools that facilitate the understanding of techniques and applications of hedging, pricing, and arbitrage.

### **FIN 496 Financial Statement Analysis (3)**

F

*Prerequisite:* FIN 301. This course provides a comprehensive analysis of financial statements using data bases, published documents, and privately prepared reports. Software is utilized for planning models, forecasting models, and simulations.

**FIN 497 International Money & Finance (3)**

**F**

*Prerequisite:* FIN 301. This course examines the following international concepts: the foreign exchange market, the balance of trade and payments, currency futures, options, and swaps, exchange rates and interest parity, international bond market, import and export financing, financial management of the multinational firm, and the international money market.

**FMU 101 University 101 (3)**

**F, Sp, Su**

This course is designed to help new college students develop study habits, attitudes and knowledge which will lead to academic success. The course content includes Florida Memorial University's history and resources, student time management, study methods, memory techniques, career exploration, and cultural literacy.

**French**

**FRE 201 Elementary French I (3)**

**F, Sp, Su**

*Pre-Co-requisite:* ENG 101. This course introduces the phonetic and spelling systems of the French language and emphasizes the four basic language skills (listening, speaking, reading, writing) and cultural aspects of the Francophone world. NOT open to native or near-native speakers of French.

**FRE 202 Elementary French II (3)**

**F, Sp**

*Prerequisite:* FRE 201. This course continues development of the four basic language skills and advances students in an understanding of the culture of the Francophone world. NOT open to native or near-native speakers of French.

**FRE 301 Intermediate French I (3)**

**F**

*Prerequisite:* FRE 202 or equivalent. This course emphasizes practice in developing oral skill using readings, dialogues, and dramatic sources. It also emphasizes intermediate grammar skills and develops a fuller understanding of the structure of the French language. Aspects of French culture discussed. NOT open to native speakers.

**FRE 302 Intermediate French II (3)**

**Sp**

*Prerequisite:* FRE 301 or equivalent. This course emphasizes practice in developing writing skills, focusing on descriptive, narrative, expository and persuasive essay models from newspapers, magazines and literary sources. It also provides practice in grammar skills.

**FRE 303 Survey of French Culture and Civilization I (3)**

**F, Sp**

*Prerequisite:* FRE 302 or equivalent. This course explores the most important aspects of the culture and civilization of the Francophone world. It includes geography, history, societal, and economic trends, and the folklore of the peoples involved.

**FRE 304 Survey of French Culture and Civilization II (3)**

**F, Sp**

*Prerequisite:* FRE 302 or equivalent. This course explores the most important aspects of the culture and civilization of the Francophone world, focusing on contemporary issues.

**FRE 305 Survey of French Literature I (3)**

**F**

*Prerequisite:* FRE 302 or equivalent. This course surveys the literature of France from its earliest manifestation through the 17th century.

**FRE 306 Survey of French Literature II (3)**

**F**

*Prerequisite:* FRE 302 or equivalent. Continuation of the survey of the literature of France from 18th century to the contemporary period. Literary tendencies in other French speaking regions will be included.

**FRE 307 Advanced French Grammar and Composition (3)**

**F**

*Prerequisite:* FRE 302 or equivalent. A detailed study of traditional grammar and composition, designed primarily for French minors and future teachers. Particular attention will be paid to correct usage in written communication.

**FRE 308 Advanced French Composition (3)**

**F**

*Prerequisite:* FRE 307. A detailed study of the theory and practice of written communication, including a review of syntax and emphasizing rhetoric and style.

**FRE 309 Business French (3)**

**F, Sp**

*Prerequisite:* FRE 302 or equivalent. Concentrated practice in the vocabulary and style of business correspondence and documents used in the present day Francophone world. This course is designed to improve skills in French for native speakers and others desiring to improve professional communication skills in the world of commerce.

**FRE 312 French for Native Speakers I (3)**

**F, Sp**

This course is intended for native speakers who have had less than two (2) years or no course work in French in high school. It covers spelling, syntax and grammar, focusing on problems faced by native speakers as well as readings and practice in writing compositions in French.

**FRE 313 French for Native Speakers II (3)**

**F, Sp**

*Prerequisite:* FRE 312. Concentrated practice in developing writing skills, focusing on descriptive, narrative, expository and persuasive essay models from newspapers, magazines and literary sources with special attention to problems faced by native speakers.

**FRE 319 Advanced French Reading and Conversation (3)**

**F, Sp**

Concentrated practice in speaking skills at the advanced level. The course requires intensive reading and conversation and oral presentations in the French language. Designed primarily for future teachers. Open to native speakers or others with near native fluency.

**FRE 370 French Study Abroad (3-6) Su**

This course offers a total immersion in the French language and culture through basic reading, writing and conversation. It focuses on fundamental grammar and on the culture and folklore of the host country. School/Department approval required.

**FRE 371 Intermediate French Study Abroad (3-6)**

**Su**

*Prerequisite:* FRE 202. This course offers total immersion in the target language through intermediate reading and conversation. It includes intermediate writing and grammar. Class discussions will focus on contemporary French cultural issues and the folklore of the host country. School/Department approval required.



**FRE 444 19th Century French Literature (3)**

**F**

A study of the literary trends of the century—Romanticism, Realism and Naturalism and representative works.

**FRE 445 20th Century French Literature (3)**

**Sp**

A study of the literary trends of the century—surrealism, existentialism, theater of the absurd—and representative works.

**FRE 448 African and Caribbean French Literature (3)**

**F**

A study of the Negritude literary movement, focusing on its origin, development and influence in contemporary African and Caribbean French speaking regions, including Haiti and others.

**Geography**

**GEO 302 Cultural Geography (3)**

**F, Su**

A study of humans' activities in the light of the interaction and interdependence of the physical and cultural environments. The emphasis will be placed on the relationship between persons and environment through time and on the distribution of population settlement and resource utilization processes which have transformed natural landscapes into cultural landscapes. *Permission of instructor required.*

**GEO 303 World Regional Geography (3)**

**Sp, Su**

The geography of the world's major cultural regions. Emphasis on geographic aspects of contemporary economic, social, and political conditions. *Permission of the instructor required.*

**GEO 304/ENV 304 Population Studies (3)**

**Sp**

A study of demographic patterns, fertility, birth rates, death rates, and a comparison of population growth and problems and issues.

**Health Education**

**HED 211 Human Sexuality (3)**

**F, Sp, Su**

*Prerequisite: Successful completion of PED 110.* This class addresses human sexuality as a dynamic and complex force that involves psychological, socio-cultural, and physiological dimensions.

**HED 221 Nutritional Health (3)**

**F, Sp, Su**

*Prerequisite: Successful completion of PED 110.* This class is designed to provide students with information about the science of food and the effects that diet and nutrition have on a person's well-being.

**HED 231 Substance Abuse (3)**

**F, Sp, Su**

*Prerequisite: Successful completion of PED 110.* This class is designed to provide students with information about the historical and social context in which the drugs were presented in addition to how drugs affect our lives. These drugs include human psychoactive drugs, alcohol, coffee, and cigarettes.



**HED 311 Communicable Diseases (3)**

**F, Sp, Su**

*Prerequisite: Successful completion of PED 110.* This class is designed to provide students with information about the nature, prevention, control, and treatment of various communicable, acute, and chronic diseases.

**HED 321 Environmental Health (3)**

**F, Sp, Su**

*Prerequisite: Successful completion of PED 110.* This class is designed to provide students with information about the interactions of humans with their environment and the impact of the interactions on their health.

**HED 411 Mental and Emotional Health (3)**

**F, Sp, Su**

*Prerequisite: Successful completion of PED 110.* This class is designed to provide students with information about the impact of stress and emotions on mental health.

**HED 421 Consumer Health (3)**

**F, Sp, Su**

*Prerequisite: Successful completion of PED 110.* This class is designed to provide students basic necessary information about all consumer products, services, and consumer protection vehicles that influence the health and welfare of people.

**History**

**HIS 101 World Civilization I (3)**

**F, Sp, Su**

This is an intensive reading and writing course. This survey course provides a balanced perspective on the birth of civilization and the development of early human cultures. It includes a prehistoric vision of the world beginning with great river valleys and extending to the age of reason and the scientific revolution.

**HIS 102 World Civilization II (3)**

**F, Sp, Su**

This is an intensive reading and writing course. This course provides a chronological survey of persons and their institutions from the age of reason and science to the present. Emphasis is placed on understanding the development of political, social, economic, philosophical, and religious ideas of various cultures.

**HIS 103 African American History I (3)**

**F, Sp, Su**

This is an intensive reading course. The course promotes the awareness and exploration of relevant books and materials concerning the lives, struggles, achievements, and contributions of African Americans. An opportunity is provided for students to view the past and investigate the present.

**HIS 104 African American History II (3)**

**F, Sp, Su**

This is an intensive reading course. This course is a continuation of African American History I and allows for the study of relevant books and materials concerning the African American experience through the Post-Reconstruction era, the age of Accommodation, Harlem Renaissance, the Civil Rights era, and beyond.

**HIS 200 History of the United States of America (3)**

**F, Sp, Su**

This is an intensive reading and writing course. A survey of the main events of the history of the United States of America from the Age of Discovery to the present.

**HIS 300 Historical Thought and Writing (3)**

**F, Sp**

A seminar designed to introduce students to historical perspectives and to the process of writing history. Practice in critical analysis, research methodology, documentation, bibliographic forms and composition, culminating in a major research paper.

**HIS 321 U.S. History to 1865 (3)**

**F**

*Prerequisite:* HIS 200. An intensive survey of the main events in the discovery and settlement, independence, and growth of the United States to the end of the Civil War.

**HIS 324 U.S. History Since 1865 (3)**

**Sp**

*Prerequisite:* HIS 200. A survey of the history of the United States from 1865 to the present, with emphasis on the interaction of political, social, and economic developments in the light of the nation's heritage and its contributions to the world community.

**HIS 335 Africa in the Modern World (3)**

**F**

This course provides students with the historical background needed to understand Africa. Focuses on major political, social, economic, and cultural developments from the rise of the transatlantic slave trade to the present.

**HIS 350 History of the Caribbean (3)**

**Sp**

Development of the major islands of Cuba, Hispanola, Jamaica, and Puerto Rico from colonial times to the present. Emphasizes evolution of plantation societies, slavery and race relations, international rivalries, economic dependence, and political independence. **Offered in alternate years.**

**HIS 400 History of the Non-Western World (3)**

**Sp**

*Prerequisites:* HIS 101 and 102. Survey of the history of three major areas of the non-western world: the Middle East and India, the Far East and Africa. Emphasis will be placed upon historical, political, economic, and social conditions.

**HIS 405 Women in U.S. History (3)**

**F**

Beginning with European and African backgrounds, the course will trace the experience of women in the United States from the Colonial to the present periods. Emphasis will be given to historical and contemporary issues in the women's movements and to the efforts of women as workers, professionals, volunteers, and political activists in the shaping of our national history.

**HIS 410 History of Florida and the South (3)**

**Sp**

A survey course of the political, economic, social, and cultural development of Florida and the South, with special emphasis on the nineteenth and twentieth centuries.

**HIS 420 Independent Study (3)**

**F, Sp, Su**

Guided readings or activities in the social sciences. Open to students majoring in the social sciences. *Permission of instructor required.*

**HIS 430 Selected Topics in History (3)**

**Su**

Topics will vary from year to year. Seminars may be held on American, African, European, or Asian History. This course involves an intensive study of some phase of history. Emphasis will be placed on historical methods, research techniques, and the teaching of history. *Open to juniors and seniors by permission of instructor.*

**Honors**

**ENG 104H & ENG 105H College Writing Honors (3)**

**F, Sp**

The course sequence ENG 104 and ENG 105 provides students with both a reading and writing intensive format. Students respond to works of authors of world literature as well as philosophy through writing assignments, group discussions, and oral presentations. The goal of all writing assignments is the production of a scholarly term paper with appropriate documentation at the end of each respective semester.

**CSC 202H Technology (3)**

**F, Sp**

An in-depth exposure to the use of information technology in academia, business, and society. Special emphasis is placed on technology applications using microcomputers, spreadsheets, database and word processing software, and use of the Internet.

**HIS 201H, 202H, African American History I, II (Honors) (3)**

**F, Sp**

This two-semester course sequence scans the varied landscape of African, Caribbean and African American history and the multifaceted experiences of people of the African Diaspora. Employing a pedagogy based on lectures which make connections between the present and past experiences of African people.

**MAT 103H, 104H, Honors Mathematics I, II, (3)**

**F, Sp**

These two honors courses offered in sequence cover mathematical systems, modular arithmetic, structure algebra, basic algebraic operations, determinants, set theory, and logic.

**RSC 303H Research Methods (3)**

**F, Sp**

This course prepares students to use the scientific method to plan for and conduct scholarly research. Exposure will be given in designing a research study by formulating a problem statement, objectives, and hypotheses, as well as data collection, statistical analysis, and presentation.

**RSC 403H Honors Thesis (3)**

**F, Sp, Su**

A culmination of the student's scholarly research activities. The thesis will be prepared by the student in conjunction with a faculty advisor. The thesis will be a scholarly document and presented for final approval to a faculty committee.

**SCI 104H, 105H Insight I, II (3)**

**F, Sp**

This two course sequence provides an overview of astronomy, physics, chemistry, and earth science. Using energy as its central theme, the courses cover the production and utilization of energy in plants and animals, energy consumption, and energy flows.

**SEM 101H, 102H Honors Seminar I, II (2)**

**F, Sp**

This two-semester course affords the students the opportunity to study in depth topics of particular importance to society. The topics include global issues, use of information technology, and ethical questions. Written exercises and individual and group presentations are integral components of the Honors Seminars.

**Human Resource Management**

**HRM 350 Human Resource Management (3)**

**F, Sp, Su**

*Prerequisite:* BUS 211. Introduction to the management of effectively utilizing human resources in organizations. Emphasis is on employment law, recruitment, selection, training, performance appraisal, compensation, and labor relations.

**HRM 360 The Legal Environment of Human Resource Management (3)**

*Prerequisite:* HRM 350. The law as it pertains to the process of Human Resource Management, with special emphasis on equal employment opportunity law.

**HRM 380 Compensation Management**

**F, Sp**

*Prerequisite:* Junior or Senior standing, BUS 380. The principles of compensation management, job analysis and evaluation, establishment and administration of pay systems, employee benefits, and executive compensation.

**HRM 410 Labor Relations**

*Prerequisite:* Junior or Senior standing, BUS 350, HR 370. The role of management and unions in our society, labor-management problems and their resolution, the collective bargaining process, the legal framework of labor-management relations, administration of the labor contract.

**HRM 420 Staffing and Development**

*Prerequisite:* Junior or Senior standing, BUS 350, HR 370. The role of human resource professionals at every stage of the employment process from hiring to posting, staffing policies, internal and external recruitment, HR development strategies and training programs development.

**HRM 430 Creating Productive Relationships**

*Prerequisite:* Junior or Senior standing, BUS 350. A practical and theoretical course dealing with behavior. Emphasis will be placed on identifying and classifying behavior in order to understand behavior and to develop strategies for effectively managing interpersonal relationships. Exercises and role playing to illustrate major points.

## Marketing

### **MAR 301 Principles of Marketing (3)**

**F, Sp, Su**

*Prerequisites:* MAT 111, ENG 102. A introduction to the field of marketing and its related concepts. The course focuses on how to facilitate mutually satisfying exchanges in both the business to consumer market and the business to business market.

### **MAR 361 Retail Marketing (3)**

**F**

*Prerequisite:* MAR 301. An examination of the role of retailing in marketing. Attention is focused on fundamentals for successful retail management. This course emphasizes basic marketing principles, procedures, and the selling environment. Major attention is paid to aligning the marketing mix in response to unfulfilled customer needs.

### **MAR 362 Personal Selling (3)**

**F**

*Prerequisite:* MAR 301. Learning to develop and apply essential professional selling skills to effectively market yourself and the organization you represent. Basic concepts, processes, and techniques for selling, including customer analysis, prospecting, developing rapport, handling objections, customer service, and other related areas.

### **MAR 395 Consumer Behavior (3)**

**F, Sp**

*Prerequisite:* MAR 301, PSY 200 or SOC 200. A description and conceptual analysis of consumer buyer behavior. The focus is on the theory and research essential to the understanding of individual choice behavior.

### **MAR 460 Advertising (3)**

**Sp**

*Prerequisite:* MAR 301. A study and analysis of successful advertising principles. This enables students to appraise advertising effectiveness as a marketing tool and assess its social and economic significance.

### **MAR 461 Marketing Channels (3)**

**Sp**

*Prerequisites:* MAR 301, MAR 395. This course focuses upon institutions, functions and decision-making in marketing channels. Wholesaling and distribution systems in retailing are emphasized. The causes and resolution of channel power and conflict are also addressed.

### **MAR 462 International Marketing (3)**

**Sp**

*Prerequisite:* MAR 301. A global approach to the study of comparative marketing systems, including economic, social, technological, governmental, and political environments as they affect international marketing operations.

### **MAR 463 Survey of E-Commerce (3)**

**Sp**

*Prerequisite:* MAR 301. This course is designed to provide an overview of a new paradigm for business transactions. Focuses on electronic interactions and exchanges amongst businesses, between businesses

and consumers, and the infrastructure providers as they converge for the purchase and sale of goods, services, ideas, and information over the Internet.

**MAR 487 Seminar in Marketing (3)**

**Sp**

*Prerequisites:* Junior standing and approval of the Chairperson. This course examines consideration of current issues in marketing. Readings required from current marketing publications and other related periodicals.

**MAR 490 Service Marketing (3)**

**F**

*Prerequisites:* MAR 301, MAR395. This course examines product support services, the nature and characteristics of service, and the building of customer satisfaction through the facilitating of mutually satisfying exchange. Special attention will be given to survey instruments such as the relevant dimensions of service quality.

**MAR 495 Marketing Research (3)**

**F, Sp**

*Prerequisites:* BUS 312, MAR 301. A study of fundamental techniques of market research. Students define marketing problems, develop methodology, gather and process secondary and primary sources of information. The results are formally communicated.

**Mathematics**

**DSM 099 Essentials of College Math II (3)**

**F, Sp, Su**

*Prerequisite:* The required minimum score on the placement test. This course prepares students to be successful in MAT 110 Intermediate Algebra. As an introductory Algebra, the course covers simplifying and evaluating algebraic expressions, and solving linear equations involving integers, fractions, decimals, percents, and their applications. The course also covers reading and interpreting graphs, simplifying polynomials and exponents, factoring expressions, and solving basic geometry problems.

**MAT 110 Intermediate Algebra (3)**

**F, Sp, Su**

**Prerequisite:** Successful completion of DSM 099 with a grade of "C" or better or the required minimum score on the placement test. This course covers topics such as factoring; operations with rational expressions, absolute value; exponents, radicals and roots; complex numbers; linear and quadratic equations and linear inequalities; graphs; and systems of equations, all with applications throughout the course.

**MAT 111 College Algebra (3)**

**F, Sp, Su**

**Prerequisite:** Placement test result or successful completion of MAT 110 with a grade of "C" or better. This course is an in-depth study of algebraic concepts, such as solving, graphing and applying linear and quadratic equations and inequalities; linear, quadratic, rational, absolute value, exponential and logarithmic functions; the Cartesian plane, distance, midpoint and the circle; representation of functions, domain, range, and evaluation of functions; and systems of equations and inequalities, all with applications throughout the course.

**MAT 112 Pre-Calculus (3)**

**F, Sp, Su**

*Prerequisite:* Completion of MAT 111 with a grade of "C" or better or permission of instructor. This course is an in-depth study of the concept of functions and their representations: polynomial, piecewise-defined, absolute value, rational, radical functions; sum difference, product, quotient, and composition of functions; systems of (2x2) linear equations

**MAT 113 College Trigonometry (3)**

**F, Sp, Su**

*Prerequisite:* Completion of MAT 111 with a grade of "C" or better. This course is an in-depth study of properties of trigonometric functions and their graphs, inverse trigonometric functions, and polar coordinates.

**MAT 114 Finite Mathematics (Formerly MAT 102 /105) (3)**

**F, Sp, Su**

**Prerequisite:** Successful completion of MAT 111 with a grade of "C" or better.

This course covers the basic aspects of sets, number sense, bases other than ten, symbolic logic, statistics, probability, and plane geometry. This course provides a thorough treatment of the mathematics appropriate for future educators.

**MAT 200 Applied Calculus (3)**

*Prerequisite:* MAT 112 with grade of "C" or better. The applications of calculus using computer algebra systems. A brief review of functions and plane analytic geometry; intuitive and geometric definitions of limit, continuity and derivatives; derivatives of elementary functions; applications of derivatives including optimization problems taken from various disciplines; indefinite integral, Riemann sums and definite integral; elementary techniques of integration; and applications of integration in various disciplines.

**MAT 201 Calculus I (3)**

*Prerequisite:* MAT 113 with grade of "C" or better, or permission of instructor. A brief review of functions and plane analytic geometry; intuitive and geometric definitions of limit, continuity and derivative; differentiation of elementary functions; and applications of derivatives, including sketching graphs of functions, and optimization problems.

**MAT 202 Calculus II (3)**

*Prerequisite:* MAT 201 with grade of "C" or better. Indefinite integral, Riemann sums and definite integral, elementary integration techniques, and applications of integration.

**MAT 205 Introduction to Probability and Statistics (3)**

**F, Sp, Su**

*Prerequisite:* MAT 112 with grade of "C" or better. Probability concepts, discrete and continuous distributions, random variables, expectation and variance, frequency distribution, statistical inferences and sampling, hypotheses testing for the mean and variance of a population.

**MAT 210 Discrete Mathematics I (3)**

*Prerequisite:* MAT 112 with grade of "C" or better. Propositional and predicate logic, set theory, axiomatic construction of mathematical structures, mapping, cardinal numbers, and principles of mathematical induction.

**MAT 211 Discrete Mathematics II (3)**

*Prerequisite:* MAT 210 with grade of "C" or better. Boolean Algebra, combinatorics, elementary graphs theory, trees, recurrence relations, and elementary dynamical systems.



**MAT 301 Calculus III (3)**

*Prerequisite:* MAT 202 with grade of "C" or better. Inverse functions, integration techniques, L'Hospital's rule and indeterminate forms, improper integration differentiation and integration of functions in polar and parametric forms, and infinite sequences and series.

**MAT 302 Multivariable Calculus (3)**

*Prerequisite:* MAT 202 with grade of "C" or better. A short review of calculus of one variable; three dimensional coordinate systems; scalar valued functions of several variables and their graphs; equations of curves, surfaces, and solids; limits; continuity; partial derivatives of several variables; applications of derivatives; multiple integration of scalar valued functions.

**MAT 303 History of Mathematics (3)**

*Prerequisite:* MAT 202 with grade of "C" or better. Origins of arithmetic and geometric concepts in early cultures, the development of mathematics in African, Chinese, Hindu, Arabic, and other cultures, mathematics in the 17th and 18th centuries, mathematics in the 19th and 20<sup>th</sup> centuries.

**MAT 305 College Geometry (3)**

*Prerequisite:* MAT 202 with a grade of "C" or better or permission of instructor. Properties of points, lines, planes; study of geometric figures: rays, line segments, curves, polygons: properties of parallel lines; properties of triangles and polygons; the Pythagorean theorem, congruency and similarity of triangles; measurements of angles, area, and volume; transformation geometry; non-Euclidean geometry.

**MAT 307 Number Theory (3)**

*Prerequisite:* MAT 112 with grade of "C" or better. Properties of numbers, divisibility, Euclidean Algorithm, congruence and residue classes, Diophantine equations, and quadratic residues.

**MAT 309 Introduction to Modern Algebra (3)**

*Prerequisite:* MAT 211. Algebraic systems, equivalence classes, groups, rings, and fields.

**MAT 350 Linear Algebra I (3)**

*Prerequisite:* MAT 112 with grade of "C" or better. Matrices and their operations, systems of equations and matrices, determinants; properties of  $\mathbf{R}^n$ : linear combinations, linear dependence and independence, basis, dimension, subspaces, matrices as linear transformations, inner product, eigenvalues, and eigenvectors.

**MAT 351 Linear Algebra II (3)**

*Prerequisite:* MAT 350, MAT 201 with grade of "C" or better. Abstract vector spaces, linear transformations, positive definite matrices, canonical forms of matrices, applications in difference and differential equations.

**MAT 402 Advanced Calculus (3)**

*Prerequisite:* MAT 302 with a grade of "C" or better. A rigorous treatment of the real and complex number systems, elements of set theory; limits, continuity, differentiability, and integration, numerical sequences and series; sequences and series of functions; power series; functions of several variables.

**MAT 403 Real Analysis (3)**

*Prerequisite:* MAT 301 with a grade of "C" or better. Sets and functions; sequences of real numbers; series of real numbers; metric spaces; limits of a function on metric spaces; continuous functions on metric



spaces; connectedness, completeness and compactness; elementary functions and Taylor series; sequences and series of functions.

**MAT 404 Topology (3)**

*Prerequisite:* MAT 403 with grade of "C" or better. Sets and functions; metric spaces; topological spaces; matrix, product and quotient spaces; compactness and connectedness; function spaces.

**MAT 405 Vector Calculus (3)**

*Prerequisite:* MAT 302 with grade of "C" or better. The geometry of Euclidean space; vector-valued functions; limits, continuity and partial derivatives of vector-valued functions; integration; line and surface integral.

**MAT 406 Complex Variables (3)**

*Prerequisite:* MAT 302 with grade of "C" or better. Complex numbers and their algebraic properties; elementary functions of complex variables; mapping; limit, continuity, differentiability, and integral of functions of complex variables; sequences and series of complex numbers; transformations.

**MAT 409 Dynamical Systems (3)**

*Prerequisite:* MAT 201 and MAT 350 with grade of "C" or better. Continuous dynamical systems: functions, iteration using technology, orbits, fixed and periodic points, logistic function, graphical analysis, stability, analysis of quadratic functions, chaotic quadratic functions; introduction to discrete dynamical modeling, deriving discrete dynamical systems, equilibrium points, cobwebs, deriving difference equations, linear dynamical systems and applications to finance, social sciences, and Markov chains; nonlinear discrete dynamical systems and model of population growth and harvesting strategies, Newton's method, stability, bifurcation, and chaos.

**MAT 410 Ordinary Differential Equations (3)**

*Prerequisite:* MAT 301 with grade of "C" or better. First order linear and nonlinear equations, numerical methods, second and higher order linear equations, series solutions, systems of linear and nonlinear equations, phase plane, stability; applications.

**MAT 411 Numerical Analysis I (3)**

*Prerequisite:* MAT 410 with a grade of "C" or better. The real number system, error analysis, solutions of nonlinear equations, interpolation and approximation, and numerical differentiation and integration.

**MAT 412 Numerical Analysis II (3)**

*Prerequisite:* MAT 411 with a grade of "C" or better. Matrices and systems of linear equations, solutions of difference and differential equations, and boundary-value problems.

**MAT 414 Probability Theory (3)**

*Prerequisite:* MAT 205, MAT 202 with grades of "C" or better. Finite probability spaces, random variables and combinations of events; dependence and independence, elementary limit theorems, infinite probability spaces, probability density and distribution functions, expectations, moment generating functions, and Central Limit Theorem.

**MAT 420 Directed Reading I (3)**

*Prerequisite:* Permission of Instructor. An introduction to the techniques of scientific investigation. Students, with the help of the instructor, choose a problem in mathematics and design a procedure for investigation. The problem may not be original; the purpose is to help students broaden and integrate

their background in mathematics. Students write reports on their investigation with well-documented supporting evidence and present them to the instructor. Then they defend their investigation orally before colleagues, faculty, and visitors during the final week of the semester.

**MAT 421 Directed Reading II (3)**

Open to students who have successfully completed or want to continue with their investigation of the problem that they have chosen in MAT 420.

**MAT 450 Senior Project in Mathematics (3)**

*Prerequisite: Senior standing.* This course is an introduction to the technique of scientific investigation. Senior students, with the help of a mathematics faculty, choose problems in mathematics and design procedures for investigation, investigate, write well-documented reports, and present them orally before colleagues and faculty. The problem may not be original; the purpose is to expose students to scientific investigate techniques.

**Music**

**MUS 100 Music Fundamentals (3)**

Introduction and review of music fundamentals such as the great staff, musical clefs, major and minor scales, key signatures, intervals, and principles of rhythmic notation. Advanced students may test out.

**MUS 101 Structures of Music I (3)**

*Prerequisite: MUS 106 or permission of instructor.* This course is a continuation of MUS 106 and includes popular music chord symbols, traditional chord symbols (I, IV, V, V7), analysis and arrangement of familiar melodies for solo and accompaniment. Advanced students may test out and receive credit.

**MUS 102 Structures of Music II (3)**

*Prerequisite: MUS 101 or permission of instructor.* This course is a continuation of MUS 101 and emphasis is placed on harmonization of diatonic modes, open and closed harmony, chord inversions, non chord tones, and diatonic 7th chords. The course also involves composing and arranging melodic, harmonic, and rhythmic patterns as related to blues, gospel, jazz, etc.

**MUS 103 Class Piano I (1)**

This course is designed as an introduction to playing the keyboard and fundamental keyboard techniques and is required for all majors except keyboard majors and students able to pass the keyboard proficiency test.

**MUS 104 Class Piano II (1)**

This course is a continuation of MUS 103 and is required for all majors except keyboard majors and students able to pass the keyboard proficiency test.

**MUS 111 Sightsinging/Eartraining I (2)**

The course is designed to improve the reading skills and pitch identification of the student.

**MUS 112 Sightsinging/Eartraining II (2)**

*Prerequisite: MUS 111 or permission of instructor.* The course is a continuation of MUS 111 and is designed to improve the reading skills and pitch identification of the student.

**MUS 113 Applied Music (1)**

This course provides one credit hour of instruction in a major or minor instrument and is open to music and non-music majors. May be repeated for credit.

**MUS 131 Applied Voice (2)**

This is the level one foundation course for the formal study of voice.

**MUS 132 Applied Voice II (2)**

This is the level two foundation course for the formal study of voice and is a continuation of MUS 131.

**MUS 133 Applied Keyboard (2)**

This is the level one foundation course for the formal study of keyboards.

**MUS 135 Applied Brasswind (2)**

This is the level one foundation course for the formal study of brasswind instruments.

**MUS 136 Applied Brasswind II (2)**

This is the level two foundation course for the formal study of brasswind instruments and is a continuation of MUS 135.

**MUS 137 Applied Keyboard II (2)**

This is the level two foundation course for the formal study of keyboards and is a continuation of MUS 133.

**MUS 141 Concert Chorale (1)**

This course is designed primarily for students preparing to become choir directors and for non-majors with choral music experience. A cross-section of music representative of different eras and styles will be performed. Students

will be introduced to wellness principles as an integral part of musicianship and acquire knowledge on the prevention of performance injuries.

**MUS 142 Concert Chorale II (1)**

This course is a continuation of MUS 141.

**MUS 145 Applied Woodwind (1)**

This is the level one foundation course for the formal study of woodwind instruments.

**MUS 146 Applied Woodwind II (2)**

This is the level two foundation course for the formal study of woodwind instruments and is a continuation of MUS 145.

**MUS 155 Applied Strings (2)**

This is the level one foundation course for the formal study of string instruments.

**MUS 156 Applied Strings II (2)**

This Is the level two foundation course for the formal study of string instruments and is a continuation of MUS 155.

**MUS 161 Concert Band (1)**

This course is designed primarily for students preparing to become band/ orchestra directors and for non-majors with instrumental music experience. A cross-section of music representative of different eras and styles will be performed. Students will be introduced to wellness principles as an integral part of musicianship and acquire knowledge on the prevention of performance injuries.

**MUS 162 Concert Band (1)**

This course is a continuation of MUS 161.

**MUS 165 Applied Percussion I (2)**

This is the level one foundation course for the formal study of percussion instruments.

**MUS 166 Applied Percussion II (2)**

This is the level two foundation course for the formal study of percussion instruments and is a continuation of MUS 165.

**MUS 168 Applied Steel I (2)**

This is the level one foundation course for the formal study of steel pan instruments.

**MUS 169 Applied Steel II (2)**

This is the level two foundation course for the formal study of steel pan instruments and is a continuation of MUS 168.

**MUS 171 Jazz Band (1)**

This course is designed primarily for students preparing to become jazz band directors and for non-majors with jazz music experience. Emphasis is placed on sight-reading, performance and leadership skills. A cross-section of music representative of different eras and styles will be performed. Students will be introduced to wellness principles as an integral part of musicianship and acquire knowledge on the prevention of performance injuries.

**MUS 173 Jazz Band (1)**

This course is a continuation of MUS 171.

**MUS 181 Chamber Ensemble Pop (1)**

This course is designed primarily for students interested in vocal music for the stage. An audition is required. A cross-section of music representative of different eras and styles will be performed. Students will be introduced to wellness principles as an integral part of musicianship and acquire knowledge on the prevention of performance injuries.

**MUS 182 Chamber Ensemble POP II (1)**

This course is a continuation of MUS 181.

**MUS 185 Chamber Ensemble Steel (1)**

This course is designed primarily for students with experience or learning how to play the steel pan. A cross-section of music representative of different eras and styles will be performed. Students will be introduced to wellness principles as an integral part of musicianship and acquire knowledge on the prevention of performance injuries.

**MUS 186 Chamber Ensemble Steel II (1)**

This course is a continuation of MUS 185.

**MUS 196 Music Production Workshop I (1)**

The course is a practicum exploration of the fundamentals of creating and staging musical theater/revues to include script/lyric writing, singing/instrumental development, movement/choreography, and management/promotion. Students will be introduced to wellness principles as an integral part of musicianship and acquire knowledge on the prevention of performance injuries.

**MUS 197 Music Production Workshop II (1)**

This course is a continuation of MUS 196.

**MUS 200 Music Appreciation (3)**

This course is an exposition of the philosophy, principals, and materials of music from the Baroque Period to contemporary period with illustrative examples from the Baroque Period, Classical Period, Romantic Period, Contemporary Classical Music and Popular Music. The course is designed to give the student an appreciation of music by exposing them to many musical styles, composers, historical trends, as well as increasing their aural, verbal and writing skills in describing music.

**MUS 201 Structures of Music III (3)**

*Prerequisite: MUS 102 or permission of instructor.* This course is a continuation of MUS 102 and emphasis is placed upon analyzing melodic, harmonic, and rhythmic patterns from eighteenth century, nineteenth century, and early twentieth century compositions. The course also involves composing and arranging melodic, harmonic, and rhythmic patterns as related to blues, gospel, jazz, etc.

**MUS 203 Structures of Music IV (Form and Analysis) (3)**

*Prerequisite: MUS 201 or permission of instructor.* This course prepares the student to be able to analyze the basic forms of composition using accepted practices from traditional and contemporary approaches. The student will be able to analyze and identify the following forms by the end of the course: phrase structure, binary form, ternary form, theme and variation, sonata form, rondo form, the concerto, the symphony, fugue form, blues forms and other jazz forms. The course involves listening and score study techniques.

**MUS 204 Class Piano III (1)**

This course is a continuation of MUS 104.

**MUS 205 Class Piano IV (1)**

This course is a continuation of MUS 204.

**MUS 207 Jazz Improvisation I (3)**

*Prerequisite: MUS 102 or permission of instructor.* Emphasis is placed upon the embellishment of improvised solos on chords, melodies, and rhythm. Chord progressions and related scales, patterns, clichés as they relate to creative improvisation will be explored, as well as the various stylistic approaches of jazz improvisation.

**MUS 208 Jazz Improvisation II (3)**

*Prerequisite: MUS 201 or permission of instructor.* Emphasis is placed upon the embellishment of improvised solos on chords, melodies, and rhythm. Chord progressions and related scales, patterns, clichés as they

relate to creative improvisation will be explored, as well as the various stylistic approaches of jazz improvisation.

**MUS 209 History of Music I - Western Music (3)**

This course is a survey of music of the European Diaspora and its influences from antiquity to the present. Emphasis is placed on societal, cultural and political influences on musicians, their music, and performance practices.

**MUS 210 History of Music II - African Diaspora (3)**

This course is a survey of music of the African Diaspora and its influences from antiquity to the present. Emphasis is placed on societal, cultural, and political influences on musicians, their music, and performance practices.

**MUS 221 History of Music III - World Music (3)**

This course is a survey of World Music with special focus on Asian music and its influences from antiquity to the present. Emphasis is placed on societal, cultural, and political influences on musicians, their music and performance practices.

**MUS 231 Applied Voice III (2)**

This is the level three foundation course for the formal study of voice and is a continuation of MUS 132.

**MUS 232 Applied Voice IV (2)**

This is the level four foundation course for the formal study of voice and is a continuation of MUS 231.

**MUS 233 Applied Keyboard III (2)**

This is the level three foundation course for the formal study of keyboards and is a continuation of MUS 133.

**MUS 234 Applied Keyboard IV (2)**

This is the level four foundation course for the formal study of keyboards and is a continuation of MUS 233.

**MUS 235 Applied Brasswind III (2)**

This is the level three foundation course for the formal study of brasswind instruments and is a continuation of MUS 135.

**MUS 236 Applied Brasswind IV (2)**

This is the level four foundation course for the formal study of brasswind instruments and is a continuation of MUS 235.

**MUS 238 Vocal Techniques (1)**

This course serves as an introduction to using the human voice as an instrument. Emphasis is placed upon voice production, projection, breathing, and techniques.

**MUS 241 Concert Chorale III (1)**

This course is a continuation of MUS 142.

**MUS 242 Concert Chorale IV (1)**

This course is a continuation of MUS 241.

**MUS 243 Techniques/Brasswinds (1)**

This course serves as an introduction to playing brasswind instruments. Emphasis is placed upon tone production, projection, breathing, and techniques.

**MUS 245 Applied Woodwind III (2)**

This is the level three foundation course for the formal study of woodwind instruments and is a continuation of MUS 146.

**MUS 246 Applied Woodwind IV (2)**

This is the level four foundation course for the formal study of woodwind instruments and is a continuation of MUS 245.

**MUS 247 Techniques/Woodwinds (1)**

This course serves as an introduction to playing woodwind instruments. Emphasis is placed upon tone production, projection, breathing, and techniques.

**MUS 255 Applied Strings III (2)**

This is the level three foundation course for the formal study of string instruments and is a continuation of MUS 156.

**MUS 256 Applied Strings IV (2)**

This is the level four foundation course for the formal study of string instruments and is a continuation of MUS 255.

**MUS 257 Techniques/Strings (1)**

**F, Sp, Su**

This course serves as an introduction to playing stringed instruments. Emphasis is placed upon tone production, projection, and techniques.

**MUS 261 Concert Band III (1)**

**F, Sp, Su**

This course is a continuation of MUS 162.

**MUS 262 Concert Band IV (1)**

**F, Sp, Su**

This course is a continuation of MUS 261.

**MUS 265 Applied Percussion III (2)**

**F, Sp, Su**

This is the level three foundation course for the formal study of percussion instruments and is a continuation of MUS 166.

**MUS 266 Applied Percussion IV (2)**

**F, Sp, Su**

This is the level four foundation course for the formal study of percussion instruments and is a continuation of MUS 265.

**MUS 267 Techniques/Percussion (1)**

**F, Sp, Su**

This course serves as an introduction to playing percussion instruments. Emphasis is placed upon tone production, projection, and techniques.

**MUS 268 Applied Steel III (2)**

F, Sp, Su

This is the level three foundation course for the formal study of steel pan instruments and is a continuation of MUS 169.

**MUS 269 Applied Steel IV (2)**

F, Sp, Su

This is the level four foundation course for the formal study of steel pan instruments and is a continuation of MUS 268.

**MUS 271 Jazz Band III (1)**

F, Sp, Su

This course is a continuation of MUS 172.

**MUS 273 Jazz Band IV (1)**

This course is a continuation of MUS 271.

**MUS 281 Chamber Ensemble III (1)**

This course is a continuation of MUS 181.

**MUS 282 Chamber Ensemble Pop IV (1)**

This course is a continuation of MUS 281.

**MUS 285 Chamber Ensemble Steel III (1)**

This course is a continuation of MUS 186.

**MUS 286 Chamber Ensemble Steel IV (1)**

This course is a continuation of MUS 285.

**MUS 291 Music Criticism (3)**

F, Sp, Su

The course is designed to prepare performing arts students to evaluate their preparation and performances. The course focuses on reviewing and writing performing arts reviews for the media.

**MUS 296 Music Production Workshop III (1)**

F, Sp, Su

This course is a continuation of MUS 197.

**MUS 297 Music Production Workshop IV (1)**

F, Sp, Su

This course is a continuation of MUS 296.

**MUS 300 Music Seminars/Recitals (0)**

F, Sp, Su

This course, mandatory for all music majors, focuses on performance and recital techniques, master classes, and discussion of relevant issues with presentations by students, faculty and experts in the field.

**MUS 302 Composition/Arranging Vocal (3)**

F, Sp, Su

*Prerequisite: MUS 203 or permission of instructor.* The course uses standard and contemporary melodies for vocal ensemble arrangements with and without instruments. The student will present at least fifteen minutes of music covering different styles and tempos to be performed by an ensemble.

**MUS 304 Piano Class - Accompanying (1)**

F, Sp, Su

*Prerequisite: Permission of instructor.* This course is suggested for all keyboard principals and focuses on sight reading and score preparation for accompanists through the study of vocal and instrumental



literature. Students demonstrating competence in these skills will be assigned to a vocal or instrumental studio, or (by audition), an ensemble.

**MUS 305 Class Piano - Accompanying II (1)**

**F, Sp, Su**

*Prerequisite:* Permission of the instructor. This course is a continuation of MUS 304.

**MUS 306 Anthems, Spirituals and Hymns (3)**

**F, Sp, Su**

*Prerequisite:* MUS 203 or permission of instructor. The course is designed for the student to analyze, select, rehearse, and perform anthems hymns, and spirituals for different audiences and congregations.

**MUS 307 Spirituals & Lined Hymn Tunes (3)**

**F, Sp, Su**

This course analyzes the use and practice of African American folk spirituals and lined hymn tunes in traditional and contemporary church services.

**MUS 311 Big Band Arranging (3)**

**F, Sp, Su**

*Prerequisite:* MUS 315 or permission of instructor. This course emphasizes the big band arrangement styles of the Count Basie Orchestra, The Duke Ellington Orchestra, Thad Jones, and others. Various jazz styles from swing to modern contemporary music will also be explored. Students are required to write and perform two big band arrangements for jazz ensemble.

**MUS 312 Conducting (3)**

**F, Sp, Su**

*Prerequisite:* MUS 203 or permission of instructor. This course serves as an introductory course to basic conducting patterns in simple, duple, and triple meters. Particular emphasis is placed on executing the anacrusis, fermata, and tempo changes.

**MUS 313 Conducting II (Choral) (1)**

**F, Sp, Su**

*Prerequisite:* MUS 203 or permission of instructor. This course is a continuation of MUS 312. Emphasis is placed on choral conducting technique. Left hand expression, vocal warm-ups, and choral rehearsal techniques are analyzed. Students study repertoire from the middle ages through contemporary times and learn score reading techniques, complex meter and rhythmic devices.

**MUS 314 Conducting II (Instrumental) (1)**

**F, Sp, Su**

*Prerequisite:* MUS 203 or permission of instructor. This course is a continuation of MUS 312. Emphasis is placed on instrumental conducting technique. Left hand expression, orchestral and band warm-ups, and instrumental rehearsal techniques are analyzed. Orchestra/band repertoire from the Baroque Period through contemporary times is studied. Students learn score reading techniques and complex meter and rhythmic devices.

**MUS 315 Small Ensemble Arranging (3)**

**F, Sp, Su**

*Prerequisite:* MUS 203 or permission of instructor. The course uses standard and contemporary melodies for small ensemble arrangements with and without vocals. The student will present at least fifteen minutes of music covering different styles and tempos to be performed by an ensemble.

**MUS 331 Applied Voice (2)**

**F, Sp, Su**

*Prerequisite:* Four semesters of MUS 232 or permission of instructor. This course serves as the advanced level of training for the voice student. The course is designed to prepare the student for the senior recital, professional auditions, and graduate study. The voice major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 332 Applied Voice VI (2)**

**F, Sp, Su**

*Prerequisite:* MUS 331 or permission of instructor. This course serves as the second advanced level of training for the voice student. The course prepares students for the senior recital, professional auditions, and graduate study. The voice major must enroll in and pass each of the four different levels prior to earning a passing grade for recital.

**MUS 333 Applied Keyboard (2)**

**F, Sp, Su**

*Prerequisite:* MUS 234 or permission of instructor. This course serves as the advanced level of training for the keyboard student. The course prepares students for the senior recital, professional auditions, and graduate study. The keyboard major must enroll in and pass each of the four different levels prior to earning a passing grade for recital.

**MUS 334 Applied Keyboard VI (2)**

**F, Sp, Su**

*Prerequisite:* MUS 333 or permission of instructor. This course serves as the second advanced level of training for the keyboard student. The course prepares students for the senior recital, professional auditions, and graduate study. The keyboard major must enroll in and pass each of the four different levels prior to earning a passing grade for recital.

**MUS 335 Applied Brasswind V (2)**

**F, Sp, Su**

*Prerequisite:* MUS 234 or permission of instructor. This course serves as the advanced level of training for the brasswind student. The course prepares students for the senior recital, professional auditions, and graduate study. The brasswind major must enroll in and pass each of the four different levels prior to earning a passing grade for recital.

**MUS 336 Applied Brasswind VI (2)**

**F, Sp, Su**

*Prerequisite:* MUS 335 or permission of instructor. This course serves as the second advanced level of training for the brasswind student. The course prepares students for the senior recital, professional auditions, and graduate study. The brasswind major must enroll in and pass each of the four different levels prior to earning a passing grade for recital.

**MUS 341 Concert Chorale V (1)**

**F, Sp, Su**

This course is a continuation of MUS 242.

**MUS 342 Concert Chorale VII (1)**

**F, Sp, Su**

This course is a continuation of MUS 141.

**MUS 345 Form and Analysis (3)**

**F, Sp, Su**

The course prepares the student to analyze the basic forms of composition using accepted practices from traditional and contemporary approaches.

**MUS 348 Applied Woodwind V (2)**

**F, Sp, Su**

*Prerequisite:* MUS 246 or permission of instructor. This course serves as the first advanced level of training for the woodwind student. The course prepares students for the senior recital, professional auditions, and graduate study. The woodwind major must enroll in and pass each of the four different levels prior to earning a passing grade for recital.

**MUS 350 Applied Woodwind VI (2)**

**F, Sp, Su**

*Prerequisite:* MUS 246 or permission of instructor. This course serves as the second advanced level of training for the woodwind student. The course prepares students for the senior recital, professional auditions, and graduate study. The woodwind major must enroll in and pass each of the four different levels prior to earning a passing grade for recital.

**MUS 355 Applied Strings V (2)**

**F, Sp, Su**

*Prerequisite:* MUS 256 or permission of instructor. This course serves as the first advanced level of training for the string student. The course prepares students for the senior recital, professional auditions, and graduate study. The string major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 356 Applied Strings VI (2)**

**F, Sp, Su**

*Prerequisite:* MUS 355 or permission of instructor. This course serves as the second advanced level of training for the string student. The course is designed to prepare the student for the senior recital, professional auditions, and graduate study. The string major must enroll in and pass each of the four different levels prior to earning a passing grade for recital.

**MUS 361 Concert Band V (1)**

**F, Sp, Su**

This course is a continuation of MUS 262.

**MUS 362 Concert Band VI (1)**

**F, Sp, Su**

This course is a continuation of MUS 361.

**MUS 364 History of Jazz (3)**

**F, Sp, Su**

Emphasis is placed on the importance of jazz and the representation of jazz from its early inception in the late 1890s to the late 1900s. The course promotes a critical analysis of the various styles and the most influential musicians and bands from early jazz, hard bop, cool jazz, avant-garde (free-jazz), and fusion.

**MUS 365 Applied Percussion V (2)**

**F, Sp, Su**

*Prerequisite:* Four semesters of MUS 165 or permission of instructor. This course serves as the first advanced level of training for the percussion student. The course prepares students for the senior recital, professional auditions, and graduate study. The percussion major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 366 Applied Percussion VI (2)**

**F, Sp, Su**

*Prerequisite:* MUS 365 or permission of instructor. This course serves as the second advanced level of training for the percussion student. The course prepares students for the senior recital, professional auditions, and graduate study. The percussion major must enroll in and pass each of the four different levels prior to earning a passing grade for recital.

**MUS 367 Instrumental Methods (3)**

**F, Sp, Su**

The course is designed as an introduction to the development, tone production, and fingering for brasswinds, woodwinds, strings, and percussions.

**MUS 368 Applied Steel V (2)**

F, Sp, Su

*Prerequisite:* MUS 269 or permission of instructor. This course serves as the first advanced level of training for the steel pan student. The course prepares students for the senior recital, professional auditions, and graduate study. The steel pan major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 369 Applied Steel VI (2)**

F, Sp, Su

*Prerequisite:* MUS 368 or permission of instructor. This course serves as the second advanced level of training for the steel pan student. The course is designed to prepare the student for the senior recital, professional auditions, and graduate study. The steel pan major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 370 History of Popular Music (3)**

F, Sp, Su

Emphasis is placed upon the history, styles, musicians, and sociological conditions of its development.

**MUS 371 Jazz Band V (1)**

F, Sp, Su

This course is a continuation of MUS 272.

**MUS 372 Jazz Band VI (1)**

F, Sp, Su

This course is a continuation of MUS 371.

**MUS 381 Chamber Music Pop V (1)**

F, Sp, Su

This course is a continuation of MUS 282.

**MUS 382 Chamber Music Pop VI (1)**

F, Sp, Su

This course is a continuation of MUS 381

**MUS 385 Chamber Ensemble Steel V (1)**

F, Sp, Su

This course is a continuation of MUS 286.

**MUS 386 Chamber Ensemble Steel VI(1)**

F, Sp, Su

This course is a continuation of MUS 385.

**MUS 394 Jazz Improvisation & Arranging (3)**

F, Sp, Su

*Prerequisites:* MUS 207, 208 or permission of instructor. The course is centered around the study and application of various styles of improvisation and arrangement for jazz and its progenitors with emphasis on composing and arranging while performing and writing or recording hard copy. Basic melodic, harmonic and rhythmic patterns and Greek scales will be performed.

**MUS 396 Music Production Workshop V (1)**

F, Sp, Su

This course is a continuation of MUS 297.

**MUS 397 Music Production Workshop VI (1)**

F, Sp, Su

This course is a continuation of MUS 396.

**MUS 431 Applied Voice VII (2)**

F, Sp, Su

*Prerequisite:* MUS 332 or permission of instructor. This course serves as the third advanced level of training for the voice student. The course prepares students for the senior recital, professional auditions, and

graduate study. The voice major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 432 Applied Voice VIII (2)**

**F, Sp, Su**

*Prerequisite:* MUS 431 or permission of instructor. This course serves as the fourth advanced level of training for the voice student. The course prepares students for the senior recital, professional auditions, and graduate study. The voice major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 433 Applied Keyboard VII (2)**

**F, Sp, Su**

*Prerequisite:* MUS 334 or permission of instructor. This course serves as the third advanced level of training for the keyboard student. The course prepares students for the senior recital, professional auditions, and graduate study. The keyboard major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 434 Applied Keyboard VIII (2)**

**F, Sp, Su**

*Prerequisite:* MUS 433 or permission of instructor. This course serves as the fourth advanced level of training for the keyboard student. The course prepares students for the senior recital, professional auditions, and graduate study. The keyboard major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 435 Applied Brasswind VII (2)**

**F, Sp, Su**

*Prerequisite:* MUS 336 or permission of instructor. This course serves as the third advanced level of training for the brasswind student. The course prepares students for the senior recital, professional auditions, and graduate study. The brasswind major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 436 Applied Brasswind VIII (2)**

**F, Sp, Su**

*Prerequisite:* MUS 435 or permission of instructor. This course serves as the fourth advanced level of training for the brasswind student. The course prepares students for the senior recital, professional auditions, and graduate study. The brasswind major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 441 Concert Chorale VIII (1)**

**F, Sp, Su**

*This course is a continuation of MUS 342.*

**MUS 442 Concert Chorale VIII (1)**

**F, Sp, Su**

*This course is a continuation of MUS 441.*

**MUS 444 Instrumental Methods - Steelpan Making & Tuning (3)**

**F, Sp, Su**

*Prerequisite:* Permission of instructor. This course is designed to give the student hands-on experience in making and tuning instruments of the steel orchestra.

**MUS 447 Applied Woodwind VII (2)**

**F, Sp, Su**

*Prerequisite:* MUS 350 or permission of instructor. This course serves as the third advanced level of training for the woodwind student. The course prepares students for the senior recital, professional auditions, and graduate study. The woodwind major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 449 Applied Woodwind VIII (2)**

**F, Sp, Su**

*Prerequisite:* MUS 447 or permission of instructor. This course serves as the fourth advanced level of training for the woodwind student. The course prepares students for the senior recital, professional auditions, and graduate study. The woodwind major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 453 Introduction to Church Music (3)**

**F, Sp, Su**

This course defines the development of authentic religious music practices and genres, influences from various traditional and non-traditional church denominations and institutions. It examines the history and policies of church denominations as related to the roles and functions of church musicians and music ministry management.

**MUS 455 Applied Strings VII (2)**

**F, Sp, Su**

*Prerequisite:* MUS 356 or permission of instructor. This course serves as the third advanced level of training for the string student. The course prepares students for the senior recital, professional auditions, and graduate study. The string major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 456 Applied Strings VIII (2)**

**F, Sp, Su**

*Prerequisite:* MUS 455 or permission of instructor. This course serves as the fourth advanced level of training for the string student. The course is designed to prepare the student for the senior recital, professional auditions, and graduate study. The string major must enroll in and pass each of the four different levels prior to earning a passing grade for recital.

**MUS 461 Concert Band (1)**

**F, Sp, Su**

This course is a continuation of MUS 362.

**MUS 462 Concert Band (1)**

**F, Sp, Su**

This course is a continuation of MUS 461.

**MUS 465 Applied Percussion VII (2)**

**F, Sp, Su**

*Prerequisite:* MUS 366 or permission of instructor. This course serves as the third advanced level of training for the percussion student. The course prepares students for the senior recital, professional auditions, and graduate study. The percussion major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 466 Applied Percussion VIII (2)**

**F, Sp, Su**

*Prerequisite:* MUS 465 or permission of instructor. This course serves as the fourth advanced level of training for the percussion student. The course prepares students for the senior recital, professional auditions, and graduate study. The percussion major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 468 Applied Steel VII (2)**

**F, Sp, Su**

*Prerequisite:* MUS 369 or permission of instructor. This course serves as the third advanced level of training for the steel pan student. The course prepares students for the senior recital, professional auditions, and graduate study. The steel pan major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 469 Applied Steel VIII (2)**

F, Sp, Su

*Prerequisite:* MUS 468 or permission of instructor. This course serves as the fourth advanced level of training for the steel pan student. The course prepares students for the senior recital, professional auditions, and graduate study. The steel pan major must enroll in and pass each of the four different levels of the course prior to earning a passing grade for recital.

**MUS 471 Jazz Band VII (1)**

F, Sp, Su

This course is a continuation of MUS 372.

**MUS 472 Jazz Band VIII (1)**

F, Sp, Su

This course is a continuation of MUS 471

**MUS 474 Foundations of Music Education (3)**

F, Sp, Su F, Sp, Su

The course defines the historical, psychological, and sociological developments of music education.

**MUS 481 Chamber Music Pop VII (1)**

F, Sp, Su

This course is a continuation of MUS 382.

**MUS 482 Chamber Ensemble Pop VIII (1)**

F, Sp, Su

This course is a continuation of MUS 481.

**MUS 485 Chamber Ensemble Steel VII (1)**

F, Sp, Su

This course is a continuation of MUS 386.

**MUS 486 Chamber Ensemble Steel VIII (1)**

F, Sp, Su

This course is a continuation of MUS 485.

**MUS 487 Applied Music Recital (1)**

F, Sp, Su

*Prerequisite:* Permission of faculty. This course represents a culmination of systematic training in voice or an instrument. It is required for all graduating Bachelor of Music students or it may be exempted by faculty upon presentation of documentation of successful performances at the professional level.

**MUS 491 Business of Music (3)**

F, Sp, Su

This course prepares the student to understand and function as a professional artist in dealing with contracts, copyrights, negotiations, management, recordings, agents, etc.

**MUS 492 Emotion and Music (3)**

F, Sp, Su

This course presents examples of the way music has been used throughout history, as well as in the present, as a vehicle for modifying the listener's responses. It presents an understanding of ways to perform for different audiences.

**MUS 493 Major Applied Research Project I (3)**

F, Sp, Su

This course gives the student the opportunity to incorporate professional experiences through a documented format.

**MUS 494 Music Internship (3)**

F, Sp, Su

This course is designed for the student to gain practical experience in the performing arts field of his or her choice.



**MUS 496 Music Production Workshop VII (1)**

**F, Sp, Su**

This course is a continuation of MUS 397.

**MUS 497 Music Production Workshop VIII (1)**

**F, Sp, Su**

This course is a continuation of MUS 496.

**MUS 498 Major Applied Research Project II (3)**

**F, Sp, Su**

This course is a continuation of MUS 493 and gives the student the opportunity to incorporate professional experiences through a documented format.

**MUS 499 Comparative European Languages (3)**

**F, Sp, Su**

This course is designed to introduce the student to basic pronunciation and definition of musical terms and lyrics in French, German, and Italian.

**Music Business**

**MUB 301 Introduction to Music Business (3)**

**F, Sp, Su**

This course presents the history and development of the music industry, focusing upon contemporary theory and practice.

**MUB 311 Computers and Music (3)**

**F, Sp, Su**

Introduction to basic computing skill for the musician, exploring Musical Instrument Digital Interface (MIDI) as a tool in the marketplace. The course includes: Basic acoustics theory, Midi Sequencing using two of the leading software ( Sonar 4.0), Music notation (Finale 2007).

**MUB 312 MIDI Techniques (2)**

**F, Sp, Su**

*Prerequisite:* MUB 311 or permission of the instructor. Composing, editing, mixing using various MIDI controllers, MIDI sequencer programs and “soft” synthesizers in “Reason 3”.

**MUB 313 MIDI Techniques (Lab) (1)**

**F, Sp, Su**

*This course should be taken together with MUB 312.* An introduction to the latest software and hardware technologies.

**MUB 314 MIDI/Digital Audio Work Stations (2)**

**F, Sp, Su**

*Prerequisite:* MUB 312 or permission of instructor. The course covers the fundamentals and practical applications of a digital audio system, as well as methods for functioning in an integrated MIDI/Digital Audio Workstation (DAW)/Analog studio environment. Course topics include system set up and interconnections; MIDI interface and synchronization; aspects of digital recording consoles/mixers, such as paged architecture, I/O, word clock, sample rate, and bit depth); and basics of a DAW, such as the elements of hard-disk recording, track and file management, digital audio, and sequencing strategies.

**MUB 315 Music Production with Pro Tools and Reason (2)**

**F, Sp, Su**

*Prerequisite:* MUB 314. This course provides the student with the essential knowledge of recording, editing and mixing projects in the environment of the leading software programs today Pro Tools 7 and Reason 3.0 using Rewire technology. The student will learn practical applications that go beyond remix production, and you’ll develop a diverse skill set that will help you to better understand mixing, editing, and producing original material.



**MUB 331 Music Copyright and Publishing (3)**

F, Sp, Su

The course is a study of the national and international protection of intellectual property through laws such as the 1976 Copyright Act. National and international publishing and licensing agreements are examined.

**Philosophy**

**PHI 200 Aesthetics (3)**

Aesthetics (also spelled esthetics) is a branch of philosophy dealing with the nature of beauty, art, and taste, and with the creation and appreciation of beauty. It is more scientifically defined as the study of sensory or sensori-emotional values, sometimes called judgments of sentiment and taste.

**PHI 301 Introduction to Western Philosophy (3)**

Western philosophy is the philosophical thought and work of the Western or Occidental world, as distinct from Eastern or Oriental philosophies and the varieties of indigenous philosophies. Historically, the term was recently invented to refer to the philosophical thinking of Western civilization, beginning with Greek philosophy in ancient Greece, and eventually covering a large area of the globe, including North America and Australia. We will survey the two main traditions of contemporary philosophy: analytic philosophy and continental philosophy

**PHI 302 Introduction to Eastern Philosophy (3)**

Eastern philosophy includes the various philosophies of Asia, including Indian philosophy, Chinese philosophy, Iranian philosophy, Japanese philosophy and Korean philosophy. Central to our focus will be the thought of Confucius, Mencius, Tao Tzu, and the Buddha.

**PHI 311 History of Ancient Western Philosophy (3)**

In Western philosophy, the spread of Christianity through the Roman Empire marked the end of Hellenistic philosophy and ushered in the beginnings of Medieval philosophy. We will begin with the pre-Socratic philosophers, journey through Socrates, Plato and Aristotle, and end just short of Rene' Descartes and the Enlightenment (This course is a requirement for PHI 312 and has the prerequisite of REL 201).

**PHI 312 History of Western Philosophy (3)**

History of Western Philosophy is an extension of PHI 311. We begin with Rene' Descartes and the Enlightenment, travel through the sentimentalists and the social contract theorists of analytic philosophy and end with American pragmatism and the deconstruction and phenomenology of continental philosophy. (Prerequisites: REL 201, PHI 312).

**PHI 321 Philosophy of Art (3)**

This course builds upon PHI 200. It has a tighter focus on art than the broader aesthetics course, and can well be called the art epistemology, i.e., how do we know art and what art is. There seems to be something deeply metaphysical about art as well, for it has the capacity to communicate emotions and is a major conduit for religion. As they say, "This piece of art speaks to me," but how does this work? (Prerequisites: REL 201, PHI 200).

**PHI 331 Contemporary Ethics (3)**

This course surveys our modern views on ethics. We begin with an analysis of G.E.M. Anscombe's essay on "Modern Moral Philosophy." From there we derive the mechanics of deontological (primarily

Kantianism) and teleological ethics (namely consequentialism and utilitarianism). These theories will logically and historically give rise to the re-birth of virtue ethics and its sentimental empathy and care derivatives. (Prerequisite: REL 201)

**PHI 341 Logic (3)**

Logic is the study of arguments. Logic is used in most intellectual activities, but is studied primarily in the disciplines of philosophy, mathematics, and computer science. Logic examines general forms which arguments may take, which forms are valid, and which are fallacies. It is one kind of critical thinking. In philosophy, the study of logic falls in the area of epistemology, which asks: "How do we know what we know?" In mathematics, it is the study of valid inferences within some formal language. This course surveys propositional and predicate logic.

**PHI 411 Philosophy of Education (3)**

Philosophy of education is a field of applied philosophy, drawing from the traditional fields of philosophy (ontology, ethics, epistemology, etc.) and its approaches (speculative philosophy, prescriptive, and/or analytic) to address questions regarding education policy, human development, and curriculum theory, to name a few. We will study what constitutes upbringing and education, the values and norms revealed through upbringing and educational practices, the limits and legitimization of education as an academic discipline, and the relation between educational theory and practice. We will have as our primary thinkers will be James Fowler and Nel Noddings.

**PHI 421 Philosophy of Humanities (3)**

This is not simply a course on the humanities; this is a philosophy course. Therefore it deals with the philosophical and meta questions of the humanities. The humanities are academic disciplines that study the human condition, using methods that are primarily analytic, critical, or speculative, as distinguished from the mainly empirical approaches of the natural and social sciences. Examples of the disciplines of the humanities are ancient and modern languages, literature, law, history, philosophy, religion, and visual and performing arts (including music).

**PHI 431 Philosophy of Science (3)**

The philosophy of science is concerned with the assumptions, foundations, methods and implications of science. In addition to these central problems for science as a whole, many philosophers of science consider these problems as they apply to particular sciences (e.g. philosophy of biology or philosophy of physics). Some philosophers of science also use contemporary results in science to draw philosophical morals.

**PHI 441 Philosophy of the Social Sciences (3)**

The philosophy of social science is the study of the logic and method of the social sciences, such as sociology, anthropology and political science. Philosophers of social science are concerned with the differences and similarities between the social and the natural sciences, causal relationships between social phenomena, the possible existence of social laws, and the ontological significance of structure and agency

**PHI 491 Phenomenology (3)**

Phenomenology is a philosophical movement. It was founded in the early years of the 20th century by Edmund Husserl, expanded together with a circle of his followers at the universities of Göttingen and Munich in Germany, and spread across to France, the United States, and elsewhere, often in contexts far removed from Husserl's early work. Phenomenology, in Husserl's conception, is primarily concerned

with the systematic reflection on and analysis of the structures of consciousness, and the phenomena which appear in acts of consciousness. Such reflection was to take place from a highly modified "first person" viewpoint, studying phenomena not as they appear to "my" consciousness, but to any consciousness whatsoever.

## **Physical Education**

### **PED 110 Dimensions of Wellness (2)**

**F, Sp, Su**

This required course is designed to introduce students to the physical, emotional, intellectual, social, spiritual, occupational, and environmental dimensions of wellness. Elements of this course will assist students in acquiring the realization that their present and future health/wellness depends on how they live and the choices they make throughout life.

### **PED 210 Swimming (1)**

**F, Su**

This course provides basic instruction in the skills and knowledge of swimming. Elements of the course include crawl, back crawl, sidestroke, breaststroke, swimming and diving techniques.

### **PED 212 Advanced Swimming (1)**

**F, Su**

*Prerequisite: Successful completion of PED 210.* This course provides basic instruction in the development of the principal strokes, water skills, and methods of self-preservation.

### **PED 213 Safety and First Aid (2)**

**F, Sp, Su**

This course is a comprehensive study in the various areas of general safety education in the total school program, home, and community. It is designed to acquaint students with appropriate first aid techniques used in accidents and injuries.

### **PED 301 Historical and Philosophical Foundation of Sports and Physical Education (3) F**

*Prerequisite: PED 210, 212, 316.* This course is designed for the contemporary undergraduate physical education and kinesiology student and will acquaint the student with the history and philosophy of sport and physical education. It provides materials that could bridge the gap between experience and research in the sub-disciplines of sport history and sport philosophy. In doing so, it may increase the knowledge in the philosophical systems that emphasize holistic thought in a hierarchy of mind over body and help students understand the historical and contemporary nature and demands of professional occupations in physical education.

### **PED 308 Movement Skills, Ryhtm and Dance (2)**

**F**

*Prerequisite PED 110, 210, 212.* This course teaches skill development, knowledge and performance of basic dance patterns, basic movement and leadership techniques in dance and rhythmic activities, creative movement, folk, and social dance. This course also offers students experiences in performing, analyzing and leadership rhythmic aid dance activities utilizing a wide range of rhythmic opportunities. It is a means for students and dance activities utilizing a wide range of rhythmic opportunities. It is a means for students to construct/add to their knowledge base of the need for rhythmic activity and

understanding in education as a means for skill development, kinesthetic awareness, and enhancement of self image.

**PED 311 History and Principles of Physical Education (3)**

**F, Sp**

*Prerequisite:* Successful completion of 200 level PED courses. Principles of modern physical education programs including the history related to the present day program.

**PED 312 Introduction to Sports Philosophy (3)**

**Sp, Su**

*Prerequisite:* Successful completion of 200 level PED courses. An introductory course dealing with the philosophy of Physical Education as applied to athletics, and community recreation.

**PED 314 Social and Community Health (3)**

**F, Sp, Su**

*Prerequisite:* Successful completion of 200 level PED courses. A study of the social aspects of community problems. Attention will be given to contemporary problems including alcohol, tobacco, substance abuse and communicable diseases.

**PED 315 Play and Community Recreation (2)**

**F**

*Prerequisite:* Successful completion of 200 level PED courses. Recreational activities, especially games of low organization, nature and outings, activities, drama, arts and crafts.

**PED 316 Theory of Coaching and Officiating (3)**

**F**

*Prerequisite* PED 110, 210, 212. The purpose of this course is to provide students with learning experiences that will lead to the development of basic skills in team sports. In addition to skill acquisition, the course will focus on how to plan and implement the four stages of skill development in games through the use of extending, refining, and application tasks. An emphasis will be placed on developing lesson plans, teaching proper technique, developing a basic understanding of the fundamental skills, game strategy, and the enhancement of performance skills. Students will be expected to achieve an intermediate level of skill in the selected team sports. Practice outside of class time and individual tutoring may be necessary for some students to achieve the expected performance level.

**PED 322 Theory of Coaching and Officiating (3)**

**F**

*Prerequisites:* PED 301, 0323. A study of events for students who plan to officiate, coach, score, and analyze play situation. Intramural games will provide the necessary laboratory for this analysis.

**PED 323 Individual Group Activities (2)**

**F**

*Prerequisites:* PED 301, 316. Demonstration and techniques in individual and group and activities with an analysis of the skills, practice drills, and progression in activities.

**PED 401 Organization and Administration of Physical Education Programs (3)**

**Sp**

*Prerequisite:* PED 403, 410. Organization and administration of physical education, highlighting the relationship to other functions of the school and athletics.

**PED 403 Adaptive and Corrective Physical Education (3)**

**Sp**

*Prerequisites:* PED 308, 410. This course gives students first hand information and contact with children with special needs. Adapted physical education is an individualized program of developmental activities, exercises, games, rhythms, and sport designed to meet the unique physical education needs of disabled individuals. Therefore, this course aids students in adequately planning, organizing, administering, and evaluating an adapted individualized and group physical education program for the disabled.

**PED 407 Exercise Physiology (3)**

**Sp**

*Prerequisites:* PED 401, 403. Designed to study the changes in various body mechanisms that occur during exercise including long-term effects of systemic physical training.

**PED 408 Kinesiology (3)**

**F**

*Prerequisites:* PED 407, 409, EDU 412. A comprehensive study of the body and its movements.

**PED 410 Care and Prevention of Athletic Injuries (3)**

**Sp**

*Prerequisites:* PED 308, 322. The prevention and care of athletic injuries including advanced techniques in taping, wrapping, and the use of therapeutic modalities.

**PED 411 Psychomotor Learning (3)**

**F**

*Prerequisite:* EDU 402. A study of muscular activity associated with the mental processes in the acquisition of skills.

**PED 499 Independent Study in Physical Education (3)**

**F, Sp, S**

*Prerequisites:* Completion of General Core Courses. This course provides independent direction and supervision of a special topic in Physical Education under the supervision of a physical education instructor.

**PED 499 Independent Study in Physical Education K-12 (3)**

*Prerequisite:* Completion of General Core Courses. This course provides independent direction and supervision of a special topic in a specific area of Physical Education under the supervision of an education instructor.

**Physical Science**

**PSC 101 Physical Science (3)**

**F, Sp, Su**

*Prerequisite:* Successful completion of MAT 110. This course is for non-science majors only. It provides a brief overview of the major theories and problems in physics, chemistry, earth science, and astronomy. Topics include elementary mechanics, scientific notation, measurement, atomic structure, energy, electromagnetism, geology, meteorology, and the solar system.

## Physics

### **AST 200 Stellar Astronomy (3)**

**F, Sp, Su**

*Prerequisite:* MAT 111. This course covers general principles of Astronomy: structure and evolution of stars, stellar systems, galaxies and the universe. Neutron stars and black holes, galactic distances and the expansion of the universe.

### **PHY 140 General Physics I (3)**

**F, Sp,**

This remedial physics course is a non calculus-based introductory physics course sequence designed and intended for freshmen students majoring in physics / engineering and who did not take physics at high school. The course covers fundamental concepts of mechanics, forces and equilibrium motion of a particle in one and two dimensions, laws of motion, work and energy, momentum, collisions in one dimension, circular motion, motion of fluids, heat, kinetics, laws of thermodynamics, wave motion and sound.

### **PHY 141 General Physics I Lab (1)**

**F, Sp**

This entails laboratory courses to accompany PHY140 General Physics I and consisting of experiments in fundamental mechanics, thermodynamics and waves.

### **PHY142 General Physics II ( 3)**

**F, Sp**

*Co-requisite:* PHY 143. This is a continuation of PHY 140 covering Electric fields and forces, Gauss' Law, electric potential, capacitance and dielectrics, current and resistance, direct current circuitry, magnetic fields and their sources, Faraday's Law, inductance and alternating current circuits, geometric optics, and physical optics.

### **PHY143 General Physics II Lab (1)**

**F, Sp**

*Co-requisite* PHY142. General Physics II consists of experiments in Electromagnetics and Optics.

### **PHY 200 College Physics I (3)**

**F, Sp, Su**

*Prerequisite:* MAT 111 *Co-requisite:* PHY 201. This course covers fundamental concepts of mechanics, forces and equilibrium; motion of a particle in one and two dimensions, laws of motion, work and energy, momentum, collisions in one dimension, circular motion, motion of fluids, heat, kinetics, laws of thermodynamics, wave motion and sound.

### **PHY 201 College Physics I Laboratory (1)**

**F, Sp, Su**

*Co-requisite:* PHY 200. Experiments include laws of linear motion and collisions, extended circular motion, mechanical equivalent of heat, diffraction, polarization, analysis of spectral lines, propagation, reflection, and refraction of light, propagation of heat and expansion of materials.

### **PHY 202 College Physics II (3)**

**F, Sp, Su**

*Prerequisites:* PHY 200 and 201 *Co-requisite:* PHY 203. This is a continuation of PHY 201 covering electric fields and forces, Gauss' Law, electric potential, capacitance and dielectrics, current and resistance, direct current circuitry, magnetic fields and their sources, Faraday's Law, inductance and alternating current circuits, geometric optics, and optical spectra and atomic structure, natural radioactivity and nuclear disintegration.

### **PHY 203 College Physics II Laboratory (1)**

**F, Sp, Su**

*Co-requisite:* PHY 202. Experiments include: induction; electric circuits; Ohm's Law; dependence of resistance on length; area, and temperature; parallel and series connection of resistors; motors;

electromagnetism and induction; characteristics of parallel plate capacitor; motion of charges in magnetic fields; and deflection of an electron beam by homogeneous magnetic fields.

**PHY 250 Physics with Calculus I (4)**

**F, Sp, Su**

*Prerequisite:* MAT 202 *Co-requisite:* PHY 251. This course covers the principles of classical mechanics using the techniques of the calculus--vectors, laws of circular motion, work/energy conservation laws, linear and angular momentum, rotation of rigid bodies, oscillatory motion, the laws of thermodynamics, and the kinetic theory of gases.

**PHY 251 Physics with Calculus I Laboratory (1)**

**F, Sp, Su**

*Co-requisite:* PHY 250. Experiments include error estimation, laws of linear motion and collision; extended circular motion; mechanical equivalent of heat; diffraction; polarization; analysis of spectral lines; propagation, reflection, and refraction of light; transfer of heat, and expansion of materials using calculus.

**PHY 252 Physics with Calculus II (4)**

**F, Sp, Su**

*Prerequisites:* PHY 250, PHY 251. *Co-requisite:* PHY 253. This course covers electric fields and forces, Gauss' Law, electric potential, capacitance and dielectrics, current and resistance, direct current circuitry, magnetic fields and their sources, Faraday's Law, inductance and alternating current circuits, geometric optics, and physical optics using the calculus techniques.

**PHY 253 Physics with Calculus II Laboratory (1)**

**F, Sp, Su**

*Co-requisite:* PHY 252. Experiments include induction; electric circuits; Ohm's Law; dependence of resistance on length, area, and temperature; parallel and series connection of resistors; motors; electromagnetism and induction; characteristics of parallel plate capacitors; motion of charges in a magnetic field; and deflection of an electron beam by homogeneous magnetic fields.

**PHY 310 Modern Physics I (3)**

**F, Sp, Su**

*Prerequisites:* PHY 252, PHY 253. *Co-requisite:* PHY 311. Recent developments in physics are discussed. Subject matter includes review of classical physics, special relativity, four-vectors, wave-particle duality, the hydrogen atom, many electron atoms, nuclear instrumentation, nuclear structure, nuclear reactions, elementary particles, introduction to quantum mechanics, and solid state physics.

**PHY 311 Modern Physics I lab (1)**

**F, Sp, Su**

This entails laboratory courses to accompany Modern Physics I, consisting of experiments in atomic and nuclear physics.

**PHY 312 Modern Physics II (3)**

**F, Sp, Su**

*Prerequisites:* PHY 310, PHY 311. *Co-requisite:* PHY 313. Continuation of PHY 310 Modern Physics I. This course consists of classical physics, special relativity, four-vectors, wave-particle duality, the hydrogen atom, many electron atoms, nuclear instrumentation, nuclear structure, nuclear reactions, elementary particles, introduction to quantum mechanics, and solid state physics.

**PHY 313 Modern Physics II Lab (1)**

**F, Sp, Su**

This entails laboratory courses to accompany Modern Physics II, consisting of experiments in atomic and nuclear physics.



**PHY 318 Optics (3)**

**F, Sp, Su**

*Prerequisites:* PHY 312, PHY 313. This course covers geometrical optics and interaction of light with matter.

**PHY 320 Thermodynamics (3)**

**F, Sp, Su**

*Prerequisites:* PHY 312 Modern Physics II. Fundamental principles of thermodynamics, the first, second, and third laws, free energy, entropy, the chemical potential, phase rule and its applications.

**PHY 410 Mechanics I (3)**

**F, Sp, Su**

*Prerequisites:* PHY 252 Physics w/Cal. I. Laws of motion, static's of particles and rigid bodies, motion of particles in one, two, and three dimensions, systems of particles, rigid bodies in a plane, central forces. Accelerated reference systems, rigid body in three dimensions, generalized coordinates.

**PHY 411 Mechanics II (3)**

**F, Sp, Su**

*Prerequisites:* PHY 411 Mechanics II. This course consists of Lagrangian and Hamiltonian formulations of mechanics, vibrating systems, and normal coordinates.

**PHY 440 Electromagnetism I (3)**

**F, Sp, Su**

*Prerequisites:* PHY 411 Mechanics II. The theory of electromagnetic fields and waves is developed from basic principles. Vector calculus, Coulomb's law, Gauss's Law, electrostatic potential, dielectrics, solutions to Laplace's and Poisson's equations, magnetic induction.

**PHY 441 Electromagnetism II (3)**

**F, Sp, Su**

*Prerequisites:* PHY 440 Electromagnetism I. Vector potential, magnetic materials, Maxwell's equations, and propagation of waves in space and various media are discussed.

**PHY 460 Quantum Mechanics I (3)**

**F, Sp, Su**

*Prerequisites:* PHY 441 Electromagnetism II. A comprehensive introduction to quantum mechanics with wave mechanics applied to standard one dimensional problems and the hydrogen atom.

**PHY 461 Quantum Mechanics II (3)**

**F, Sp, Su**

*Prerequisites:* PHY 460 Quantum Mechanics I. A comprehensive analysis of general matrix formalism; angular momentum, symmetries, perturbation theory and variation methods. Also an introduction to relativistic theory and theory of fields.

**PHY 462 Statistical Physics (3)**

**F, Sp, Su**

*Prerequisites:* PHY 461 Quantum Mechanics II. General probabilistic theory, classical and quantum statistics of equilibrium and non-equilibrium states are discussed.

**PHY 463 Solid State Physics(3)**

**F, Sp, Su**

*Prerequisites:* PHY 462 Statistical Physics. An investigation of crystalline form of solids, lattice dynamics, metals, insulators, semiconductors, crystalline surfaces, and amorphous materials.

**PHY 465 Semiconductor Physics (3)**

**F, Sp, Su**

*Prerequisites:* PHY 463 Solid State Physics. Introduction to semiconductor physics with some of the latest theories and developments.



**PHY 470 Senior Physics Lab (2)**

**F, Sp, Su**

*Prerequisites:* PHY 461 *Quantum Mechanics II*. Advanced laboratory topics are treated. Modern physics laboratory equipment is used and the student is introduced to current laboratory practice.

**PHY 480 Senior Research (3)**

**F, Sp, Su**

*Prerequisites:* PHY 470 *Senior Physics Lab*. Students perform original investigation in theoretical or experimental physics under direct faculty supervision.

**PHY 481 Seminar in Physics(1)**

**F, Sp, Su**

*Prerequisites:* PHY 480 *Senior Project Senior Research*. This entails a series of specialized lectures/seminars on selected topics in Physics.

**PHY 490 Mathematical Physics I (3)**

**F, Sp, Su**

*Prerequisites:* MAT 401. Mathematical physics covers variation principles, complex variables, partial differential equations, integral equations, and transforms.

**PHY 491 Mathematical Physics II (3)**

**F, Sp, Su**

*Prerequisites:* PHY 490. Additional mathematical methods for physicists: Perturbation methods, Laplace's and Poisson's Equations, waves, special functions, vector fields, vector waves.

**PHY 495 Laser Physics (3)**

**F, Sp, Su**

*Prerequisites:* NSC 453 *Senior Project*. This course consists of principles of lasers and laser applications, including atom-field interactions, stimulated emission and dipole oscillators, optical resonators and electromagnetic modes, semi-classical and quantum laser theory, and specific laser systems.

**PHY 497 Special Relativity (3)**

**F, Sp, Su**

*Prerequisites:* PHY 491 *Mathematical Physics II*. A detailed study of special relativity: Lorentz transformations relativistic electrodynamics.

**PHY 498 General Relativity (3)**

**F, Sp, Su**

*Prerequisites:* PHY 491 *Mathematical Physics II*. General relativity through differential geometry and tensor analysis. Field equations and their solutions and applications are studied.

**Political Science**

**POL 301 U.S. Government (3)**

**F, Su**

A survey of the structure, function, theory and practices of the United States government.

**POL 302 State and Local Government (3)**

**Sp, Su**

A study of state and local government in America with emphasis on principles, functions and administration of state, county and local government.

**POL 311 Comparative Government (3)**

**Sp**

*Prerequisite:* POL 301. A comparative study of the backgrounds, institutions, and policies of the United States, England, France, the Soviet Union and Sweden.

- POL 330 International Politics (3)** F  
*Prerequisite:* POL 301. A study of geographic political, economic and ideological factors which influence the behavior of nations.
- POL 331 Politics of Black Americans (3)** Sp  
An analysis of the political behavior of Black Americans and the issues which affect them.
- POL 333 Politics of Governmental Finance (3)** F  
*Prerequisite:* POL 301. An assessment of politics, planning and administration of governmental budgets.
- POL 334 Public Personnel Administration (3)** Sp  
Focuses upon the theory, practice and organization of public personnel training, classification, compensation, promotion and human relations.
- POL 337 Public Policy Analysis (3)** Sp  
A study of the forces shaping public policy and the consequence of policy design, public bureaucracy and their programs and decision making.
- POL 338 Administration of Social Services (3)** F, Su  
Designed to enable one to understand the process of planning and administering basic social services, including housing, recreation, health care, policy and welfare.
- POL 340 Third World Politics (3)** F  
An analysis of selected political systems in Africa, Latin America, the Caribbean and Asia.
- POL 403 Management of Federal Government (3)** Sp  
An investigation of the executive, legislative and judicial branches of government.
- POL 407 Constitutional Law I (3)** F, Sp  
This course takes a look at the development and philosophies of constitutions. Emphasis is placed on the role, interpretations, and procedures of the Constitution of the United States of America.
- POL 408 Constitutional Law II (3)** F, Sp  
*Prerequisite:* POL 407. This course is a continuation of Constitutional Law I and examines the interpretations and amendments of the Constitution. An exploration of constitutional limitations and guarantees is included.
- POL 430 Research in Political Science (3)** F, Su  
This course deals with principles and techniques of research in political science.
- POL 436 Political Theory (3)** Sp, Su  
Political thought and writings from Greek antiquity to modern times. Emphasis is placed on the leading political figures.
- POL 438 International Law and Organization (3)** Sp, Su  
Using the United Nations and the International Public Sector as a backdrop for this course, issues such as peacekeeping, trade, and social and humanitarian efforts are covered. This course also examines why states act through formal international organizations such as the United Nations as well as informal non-governmental organizations (NGOs) such as multinational corporations.

**POL 490 Field Placement I (3)**

F, Sp, Su

Supervised field work with a governmental or other public affairs oriented organization.

**POL 491 Field Placement II (3)**

F, Sp, Su

*Prerequisite:* POL 490. A continuation of field placement I with supervised field work in a governmental or other public affairs agency.

**POR 301 - Portfolio Seminar (3)**

F, Sp

In this intensive writing course, students document their prior learning experience, gain understanding of the policies and practices of recognition of prior learning, and then apply for prior learning credit. The course introduces students to the techniques of preparing a portfolio that clearly identifies college level learning, while guiding students in structuring their materials to provide sufficient supporting information and documentation for the faculty to use as a basis for evaluation.

**POR 302 Portfolio Review (3)**

F, Sp

This is an intensive writing course required for all students working towards completion of the CLEO Portfolio. This required course is for students whose preliminary portfolio has been accepted. Students have until the end of the semester of enrollment in POR 302 to present the final portfolio for the CLEO Committee's evaluation toward awarding of college level credit. Applicable credits are not awarded until the Portfolio has been evaluated and approved by the CLEO Committee. *Pre-requisite:* POR 301 - Portfolio Seminar and approval by CLEO Director.

**Psychology**

**PSY 200 Introduction to Psychology (3)**

F, Sp, Su

This is an intensive reading course. The course is an introduction to psychological terms, facts, and principles and is designed to aid students in understanding themselves and others. Behavior is analyzed and interpreted through a discussion of such topics as growth and development in infancy, childhood, adolescence, and adulthood; states of awareness; learning and thinking; motivation and emotion; mental health; and social behavior.

**PSY 300 Foundations of Industrial/Organizational Psychology (3)**

This course is designed to introduce students to the science and practice of psychology in organizations. The course will examine the effects of employee attitudes, behavior, cognitions, emotions, and personality on worker satisfaction and performance.

**PSY 301 Psychopathology (3)**

F

The study of various abnormal phases of behavior, prevention and treatment of certain social-emotional problems, examination of recent clinical and experimental findings.

**PSY 302 Clinical Psychology (3)**

Sp

The history and current status of clinical psychology, professional ethics and interpersonal concerns, clinical assessment and prediction, theory and practice of behavior change.

**PSY 303 Experimental Psychology (3)**

**F**

This course deals with selected laboratory experiments and demonstrations, lectures, collateral readings in methods and results of psychological experimentation.

**PSY 304 Physiological Psychology (3)**

**Su**

An investigation of basic neuroanatomy and neurophysiology followed by an introduction to the physiological basis of sensation, arousal, motivation, memory, and learning.

**PSY 306 Developmental Psychology (3)**

**F**

The study of the development of personality, intelligence, and motivation from childhood to adulthood. The role of social learning in the developmental process will be investigated.

**PSY 307 History and Systems of Psychology (3)**

**Sp, Su**

A study of the development of psychology as a body of science and the historical background of psychology.

**PSY 308 Personality Theory (3)**

**Sp, Su**

An examination of the place of personality theory in various approaches or the fields of personality. Studies include the structures, determinants, dynamics and developmental characteristics of personality.

**PSY 309 Research Methods (3)**

**F, Sp, Su**

This course provides an overview of various research methods used in psychology and other social and behavioral sciences. Emphasis is placed on the logic of social inquiry, problems of research design and execution, and qualitative and quantitative analyses. Students will be guided through a research proposal that may be used in the development of their senior project.

**PSY 310 Community Psychology (3)**

**F, Sp, Su**

This course gives students a basic understanding of the content, approach, and philosophy that characterize community psychology. The focus is on the importance of and strategies for producing social change and for treating community problems with prevention oriented community psychology interventions. Organized around community settings, such as the educational system, the criminal justice system, social service system, and mental health system, the course aids students in understanding that principles of prevention and empowerment can be transferred from one community arena to another. A central concept in this course is the idea that setting or environment is as important as the individual(s) in it and that many academic disciplines and counseling methods can offer solutions to psychological problems found in the community.

**PSY 312 Introduction to Statistics (3)**

**F, Sp, Su**

*Prerequisite: Successful Completion of MAT 102 or a higher level math course.* This course is designed to introduce students to the basic concepts of descriptive and inferential statistics and to build a groundwork for better understanding of social science data and statistics commonly used in social research. Emphasis will be placed on practical application of statistical theories and techniques applicable to social sciences, the use of statistical computer software, and the interpretation and production of statistical tables and charts. Measures of central tendency and dispersion, probability, tests of significance, and correlation are covered.

**PSY 316 Psychology of Culture (3)**

**F**

An introduction to the influence of cultural factors that serve as independent variables in the dynamic process of human behavior, development and interpersonal exchange. A major focus will be African American, Asian American, Hispanic American and Native American cultures.

**PSY 317 Psychology of the African Diaspora (3)**

**Sp**

This course examines the psychological dimensions of the African American experience as it occurs within the conceptual framework of the African Diaspora. Topics to be covered include African culture and consciousness before the coming of the Europeans, the psychological impact of slavery, the psychology of resistance to domination, the psychology of creolization, the psychology of religion, the African American family, the psycho-spiritual development of African American people, identity and psychological health and healing.

**PSY 401 Advanced Statistics (3)**

**F, Sp, Su**

*Prerequisite: PSY 312 or SSC 302.* Further study of quantitative methods including correlation, chi-square, contingency and analysis of variance. This course is designed for students who have completed a basic statistic course and desire a greater understanding of social science data and statistics commonly used in behavioral research. Emphasis will be placed on practical application of statistical theories and techniques applicable to social sciences, the use of statistical computer software, and the interpretation and production of statistical tables and charts.

**PSY 402 Clinical Interview and Behavioral Assessment (3)**

**F, Sp, Su**

An introduction to approaches to counseling. The theoretical foundations and methodologies of the major clinical psychology theorists will be examined.

**PSY 403 Psychology of Learning (3)**

**F, Sp, Su**

A study of the theories of learning, the course includes motivation of learning and experimental findings relative to animal and human learning and retention. Theories of Pavlov, Thorndike, Hull, Tolman, Guthrie, Skinner, and Hebb are introduced.

**PSY 405 Assessment and Evaluation (3)**

**F, Sp, Su**

An introduction to the process of psychological testing. Topics will include basic test terminology, administration, interpretation, validity, reliability, ethics.

**PSY 406 Social Psychology (3)**

**F, Sp, Su**

The study of the relationship of the individual to social systems. This course surveys the effects of physical, mental, and emotional growth and development on social interaction and social and cultural influences on behavior, attitude development, social conflict; group processes will be investigated. Major schools of social psychological perspective are, also, reviewed.

**PSY 407 Psychology of the African American (3)**

**F, Sp, Su**

The primary focus of this course will be to examine the major psycho-cultural influences which have shaped the psychological lives and functioning of African Americans. Special attention will be given to examining the appropriateness of the Eurocentric psychological tradition in examining and describing the behavior and experience of African Americans.

**PSY 408 PSY 410 Practicum I (3)/(6)**

**F, Sp, Su**

This course provides institutional placement, composed of an on-site study of research practices, group treatment practices and psychotherapy for psychology majors. Authorization for placement must be obtained from the School/Department's practicum placement director. Registration and planning with the practicum director must be completed one semester prior to placement.

**PSY 409 PSY 411 Practicum II (6)**

**F, Sp, Su**

The continuation of PSY 410 for psychology majors. Composed of on-site study, research practices, testing and analysis, and group treatment practices and psychotherapy.

**PSY 451 Minority Mental Health (3)**

**Sp**

This course allows students to understand how a complex variety of social and psychological factors come together to shape mental health providers ability to work with those who are culturally different. Some of the topics include cultural competence, racism, culture and ethnocentricity, ethnic children, parenting and families, ethnic mental health issues, and biases in the mental health service delivery.

**PSY 452 Organizational Behavior (3)**

**F, Su**

This course is concerned with the psychology of individuals and how their behavior is influenced by others in the organization. A major emphasis will be placed on examining the basics of individual motivation, attitudes, and decision- making, to determine how these human tendencies may lead to productive and ethical actions.

**PSY 453 Psychology and Law (3)**

**F**

The overall objective of this course is to introduce students to the emerging field of psychology and law. The course examines the assumptions about human behavior as well as the various psychological processes that underlie and influence the operation and functioning of the law. Students are introduced to the major topics, issues, theories and empirical studies that comprise this particular field of social scientific inquiry.

**PSY 454 Theory & Practice of College Mentoring (3)**

**F**

This course explores historical and contemporary approaches to mentoring in academic and business environments and examines central theoretical and empirical paradigms. A major emphasis is placed on the development of student leadership and mentoring skills.

**Public Administration**

**PAD 301 Concepts and Issues of Public Administration (3)**

**Sp, Su**

An introductory study of the theory and practice of governmental administration in differing environments, the role of administrators in public policy, issues facing administrators, and techniques of administration.

**PAD 302 Management of Urban Government (3)**

**Sp, Su**

A study of the problems of local government units in the urban environment. Emphasis is placed on the organization and function of local agencies.

**PAD 303 Principles of Public Planning (3)**

**F**

A study of the basic concepts of community, regional, county and city planning. Consideration is given to master plans, including purpose, content, and method of implementation.

**PAD 304 Public Personnel Administration (3)**

**F, Su**

An analysis of personnel problems with emphasis on supervision and management of public employees and public organizations in a period of change.

**PAD 305 Florida Law and Public Governance (3)**

**F**

A study of Florida law governing the nature, regulation, and control of counties, charter cities, school districts and special districts. The creation, alteration, dissolution, legal actions by and against, powers and duties, the rights and liabilities of local governments are also studied.

**PAD 306 Administrative Behavior (3)**

**Sp, Su**

A study of social, psychological and behavioral theories of organization. Consideration is given to the concepts of administrative leadership, the organization, and the individual with emphasis on governmental organizations.

**PAD 401 Management of State Government (3)**

**F**

*Prerequisites: POL 301 and PAD 301.* A study of the administration and constitutional problems of state management in the American federal system. Emphasis is placed on the State of Florida.

**Reading**

**REA 101 Critical Thinking and Reading (3)**

**F, Sp, Su**

*Prerequisite: Successful completion of DSR 099 or the required minimum score on the placement or diagnostic tests.* This course develops and strengthens the critical thinking skills needed for reading college and professional materials, and will include bias and propaganda, fallacies, connotation/denotation, inductive/deductive reasoning, problem-solving, and inferential thinking. Students will read and discuss a wide range of materials taken from the various disciplines, and will complete projects which incorporate critical thinking abilities

**Religion**

**REL 101 Intro to Religion (3)**

**F, Sp, Su**

This is an intensive reading and writing course surveying the practices and associated customs of the major recognized religions of the world, such as Judaism, Christianity, Hinduism and Islam.

**REL 201 Introduction to Philosophy (3)**

**F, Sp, Su**

This is an intensive reading and writing course surveying Western philosophy and its major philosophers.

**REL 202 Philosophy of Religion (3)**

**F, Sp, Su**

This course is designed to give students an incisive approach to understand the basic philosophy of religions concepts. Special emphasis is placed on fundamental concepts and ideas of ethics, epistemology, metaphysics, and aesthetics.

**REL 204 History of the Hebrew People (3)**

**Sp**

This course is designed to give students an appreciation for the history of the ancient Hebrew people and the development of the Judaic faith. Cultural intermingling of the Hebrews with surrounding nations and



its effect on the development of Hebrew social, political and religious perspectives of life will be emphasized.

**REL 206 Old Testament Survey (3)**

**F**

A study of the history, literature, geography and theo-philosophical concepts presented in the Old Testament. The course deals with content, structure, dating, attitudes expressed at various stages, and a general overview of God's relationship to the Hebrew people.

**REL 207 New Testament Survey (3)**

**Sp**

Introduction to the history, literature and theology of the New Testament. Attention will be given to the mission, ministry, and message of Jesus, the formation of the gospel tradition, the Jewish and Hellenistic background of the early church, the life and letters of Paul, other New Testament writings and the development of the canon.

**REL 303 Elementary New Testament Greek I (3)**

**F**

Introduction to the elements of New Testament Greek, pronunciation and grammar, fundamentals of syntax, and acquisition of basic vocabulary.

**REL 308 Elementary New Testament Greek II (3)**

**Sp**

*Prerequisite:* REL 303. This is a continuation of the fundamentals of Greek grammar. Attention is given to vocabulary, sentence structure. Rapid reading of Greek text.

**REL 310 The Psalms (3)**

**Sp**

A study of the origin and liturgical use of selected Psalms with attention to their form and content. Their importance as a reflection of Israel's worship life and their poetic and religious value for our generation will be emphasized.

**REL 313 Life and Letters of Paul (3)**

**F**

A study of the pre and post salvation life of Paul. Emphasis will be placed on his conversion, message, mission and ministry. His epistles will be surveyed briefly as they relate to various themes.

**REL 314 Survey of Baptist Doctrine (3)**

Analysis, interpretation, and critical appraisal of the beliefs commonly held among Baptists.

**REL 322 Christian History (3)**

**Sp**

The growth and development of the early Christian church and its progress toward present times. The impact of secular movements on Christian thinking will be observed. The stability of the Christian church through changing times will be emphasized.

**REL 323 History of the Baptists (3)**

**F**

The origin of the Baptist denomination on the European continent through its transmission to the Western hemisphere. Similarities and dissimilarities to other denominations will be pointed out. The course includes a basic understanding of its fundamental doctrines and beliefs. Recommended only for students in sympathy with sectarian emphasis.



**REL 324 The Intertestamental Period (3)**

**Sp**

A brief survey of the political conditions of this period. The impact of foreign culture on Jewish theology, the rise of religious parties, and the writing of the books of the Apocrypha. Special attention will be given to the change or changes in Jewish theological concepts carried over into the New Testament.

**REL 351 Pastoral Ministry (3)**

**F**

For ministerial students only. A study of principles and methods for the preparation and delivery of sermons, with pastoral visiting and counseling, the planning of church worship services and other special duties for pastors.

**REL 353 Church Leadership (3)**

**F**

Designed for both ministers and religiously mature lay students wishing to equip themselves for effective church leadership. Students will be assigned responsibilities in their churches, visit other churches for observation and carry out assigned work under the joint supervision of church leaders and Religion and Philosophy staff.

**REL 401 Christian Education (3)**

**F**

A study of the foundations and principles of Christian Education, with a view toward understanding the methods by which the Christian faith can be inculcated in the total life of the home and the church.

**REL 402 8th and 7th Century Prophets (3)**

**Sp**

An examination of the function and importance of prophecy and poetry in Old Testament times, followed by a detailed study of the Biblical books in these classifications.

**REL 405 Internship I (3)**

**F, Sp, Su**

A program of Internship in a church or agency where ministerial students and mature lay persons may learn how to operate within these systems.

**REL 406 Internship II (3)**

**F, Sp, Su**

Continuation of REL 405.

**REL 408 Evangelism (3)**

**F, Sp, Su**

A survey of evangelistic endeavors, including Christ, the Master Evangelist, early evangelism in Acts, and strategies for evangelism in contemporary society.

**REL 409 Pastoral Counseling (3)**

**F, Sp, Su**

A survey of counseling in the ministry, including practice and process (the Biblical approach), problems and dangers, reliable resources and referral agencies.

**REL 410 Homiletics (3)**

**Sp**

This course emphasizes the structure, preparation, and delivery of sermons with a view toward improving the presentation of the gospel message through the medium of preaching.

**REL 420 Internship in Religious Education (3)**

**F, Sp, Su**

*Prerequisite: REL 401.* A program of research in Christian education practices in a local church. Open to students interested in Christian education. Students, supervisors and Religion and Philosophy faculty will work out a contract for this internship. Students' grades will be reported by supervisors prior to the end of the term.

**REL 431 Biblical Ethics (3)**

**F**

This course uses the case study method approach to the ethics of the Bible; it will help students understand the variety of ethical approaches present in Old and New Testament scriptures as a prerequisite to all other ethics courses.

**REL 432 Christian Ethics (3)**

**Sp**

*Prerequisite: REL 431.* An introduction to Christian ethical theology. Includes a study of historical and contemporary ethicists and special issues raised by them. This course will explore subjects of personal choice, social concern and policies.

**REL 434 Life of Christ (3)**

**Sp**

A comprehensive study of the life of Christ, including his teaching ministry, the miracles, parables and pithy sayings. Emphasis will be placed on his role as Messiah, Savior, and Lord.

**REL 435 African American Religion (3)**

**F**

A comprehensive examination of the roots of the cultural and religious experience of African Americans in the American ethos. The course explores the African background, the slave experience, emancipation and the growth of cultural nationalism as these have contributed to American culture.

**REL 463 Black Theology (3)**

**F**

An in-depth study of major black Christian thinkers in America, particularly the thought of James Cone and Martin Luther King, Jr. Also, attention will be given to other liberation theologies, e.g., third world, feminist, and womanist.

**REL 473 and 474 Systematic Theology I & II**

A systematic study of the principal theological doctrines of the Christian faith, doctrines of revelation, inspiration the triune nature of God, sin, election, redemption, and eschatology.

**REL 495 Senior Project (3)**

**Sp**

A culminating activity in religion researched, written, and presented for publication.

**Safety and Security**

**AHS 301 Principles of Homeland Security (3)**

**F, Su**

This course will cover the factors involved with protecting our nation from terrorist threats/attacks. The student will explore mitigation, prevention, preparedness and other related national security concerns.

**AHS 302 Transportation Security (3)**

**Sp, Su**

This course is a study of the federal, state and local organizations involved in border and coastal security, associated homeland security issues, the various policy and operational strategies used for border and coastal access and security, and contemporary border and coastal security concerns. Topics also include immigration and non-U.S. approaches to border and coastal security.

**AHS 303 Contemporary Security Management (3)**

**Sp**

This course provides an overview of Contemporary Security Management. It serves as an indispensable working tool for Homeland Security student at all levels of experience and is designed to provide the hard facts on modern practices to run a security department efficiently and effectively. Vital topics covered include: leadership in management, employee relations, risk management and mitigation,

terrorism, information security, access control, investigations, substance abuse, workplace violence, and emergency management.

**AHS 411 Disaster Recovery (3)**

**F, Su**

This course will detail the discipline of emergency management as it has developed over the past six decades, including the rapid evolution of the field since the turn of the century. It will bring the ideal combination of practical and experience to their presentation of disaster preparedness, mitigation, response, recovery and communications.

**AHS 412 Homeland Security Law and Policy (3)**

**F**

This course will present a broad range of legal and policy issues that face our country as we grapple with the new reality of terrorism. The subject matter is very extensive, encompassing the entire range of activities in the American economy and government; to include the Federal Emergency Management Agency (FEMA), Department of Homeland Security (DHS), and the Department of Defense (DOD).

**AHS 413 Terrorism & Homeland Security (3)**

**Sp**

*This course is a comprehensive overview of terrorism, public and private sector counterterrorism, and "all hazards" emergency management. It presents national, state, and local perspectives and up-to-date information, including the reorganization of the Department of Homeland Security, the renewed Patriot Act, and intelligence reform.*

**AHS 414 Total Security Management (3)**

**Sp, Su**

This course will cover the business practice of developing and implementing comprehensive risk management and security best practices for a firm's entire value chain. It will include an evaluation of suppliers, distribution channels, and internal policies and procedures in terms of preparedness for disruptive events such as terrorism, political upheaval, natural disasters, and accidents.

**AHS 415 Maritime Security (3)**

**F, Su**

This course provides a thorough introduction to the topic of maritime security, as seen through the eyes of practitioners who have decades of on-the-ground experience-based knowledge in seaport security, vessel security, and commercial maritime transport. It will also detail the fundamentals of commercial shipping and how the business functions.

**SAF 101 Introduction to Occupational Health & Safety (3)**

**F, SP**

Introduces the student to the field of safety and covers basic health, safety, and regulatory issues that apply to aviation and non-aviation business in the United States. Included is a comprehensive health and safety overview of legislative development and enactment of appropriate statutes, regulations and laws. Additional topics include safety data statistics, safety culture and practices of the field of safety.

**SAF 245 Industrial Safety & Health Management (3)**

**SP**

Binds together the traditional examination of time-tested concepts and techniques of safety and health management with a modern perspective on compliance with mandatory standard for workplace safety and health. Will add reason, explanation, and illustration of the hazard mechanisms that form the underlying basis for the volumes of detailed standards for workplace safety and health.

**SAF 241 Safety and Security of Aviation Ground Operations (3)**

**F**

Discusses general aviation airport ground operations, particularly from the pilot and ramp worker's perspective. Focus will be on increasing awareness of airport operations and improving airport safety by

creating an enhanced awareness of rules, policies, procedures, and potential hazards that affect the safety and security of aircraft, crew, passengers, and others within the airport ground environment.

## Social Sciences

### **SSC 101 Contemporary Society I (3)**

**F, Sp, Su**

This is an intensive reading course. The course covers the basic concepts of culture, individual and group interaction, social stratification, socialization, primary groups and associations, and a study of the methods, techniques, and findings of sociology, psychology and anthropology as they are combined to reveal humans in their cultural environment.

### **SSC 102 Contemporary Society II (3)**

**F, Sp, Su**

This is an intensive reading course. This course covers the evolution of social political and economic institutions. Consideration is given to the scarcity of resources and the struggle for power.

### **SSC 200 Cultural Anthropology (3)**

**F, Sp, Su**

This course covers the comparative study of cultures, with emphasis on kinship, economic and political organizations and cultural change.

### **SSC 300 Research Methods (3)**

**F, Sp, Su**

This course provides an overview of various research methods used in sociology, political science, public administration, criminal justice, and other areas of social and behavioral science. Emphasis is placed on the logic of social inquiry, problems of research design and execution, and qualitative and quantitative analyses. Students will be guided through a research proposal that may be used in the development of their senior project.

### **SSC 302 Introduction to Statistics (3)**

**F, Sp, Su**

*Prerequisite: Successful Completion of MAT 102 or a higher level math course.* This course is designed to introduce students to the basic concepts of descriptive and inferential statistics, and to build a groundwork for better understanding social science data and statistics commonly used in social research. Emphasis will be placed on practical application of statistical theories and techniques to social science data, the use of statistical computer software, and the interpretation and production of statistical tables and charts. Measures of central tendency and dispersion, probability, tests of significance, and correlation are covered.

### **SSC 304/CUL 304 Cultures and Film (3)**

**F, Sp**

This course will view independently and commercially made films. The analytical perspective is sociocultural. Focus will be placed on African, Latin American, Asian and Francophone film productions dealing with issues of class, religion, and gender.

### **SSC 320 Cooperative Education (6)**

**F, Sp, Su**

*Approval of the dean/department chair and the director of cooperative education is required.* This course allows students to undertake employment related to the major in order to obtain practical experience and financial compensation. This course can be taken by any student with a major in Social Sciences who has completed the junior year of study.

**SSC 321 Cooperative Education (6)**

**F, Sp, Su**

*Approval of the dean/department chair and the director of cooperative education is required.* This course allows students to undertake employment related to the major in order to obtain practical experience and financial compensation. This course can be taken by any student with a major in Social Sciences who has completed the junior year of study.

**SSC 400 African American Women in American Society (3)**

**Sp, Su**

An examination of historical and contemporary roles of African American women in society. The course includes study of socio-political and psychological forces affecting African American women.

**SSC 403 Afro-Brazilian Society (3)**

This course is designed to provide students with a general understanding of twentieth century Afro-Brazilian society. By the conclusion of the course, students should be able to discuss, in both oral and written form, the major points, concepts, key theories, and issues in history, religion, sociology, politics and economics concerning Afro-Brazilian society and culture.

**SSC 404 Selected Topics in Social Science (3)**

**F, Su**

An opportunity for interdisciplinary study in the social sciences as well as special topics of current relevance in the various social science disciplines.

**SSC 405 Contemporary Social Change (3)**

**Sp, Su**

*Prerequisite:* SSC 300. An analysis of the dynamic basis of American social change, dealing with perspectives on American culture from a point of view that analyzes the American myth of western cultural supremacy. Cultural nationalism, with special emphasis on Black cultural life, will be the core consideration in the course. Reading will be extensive. Students will participate in and monitor projects and seminars that bear on the course of study. It is an advanced course of study for upper-level students committed to intensive reflections on nationalism and social change in American life.

**SSC 406 Advanced Statistics (3)**

**F, Sp, Su**

*Prerequisite:* PSY 312 or SSC 302. Further study of quantitative methods including correlation, chi-square, contingency and analysis of variance. This course is designed for students who have completed a basic statistic course and desire a greater understanding of social science data and statistics commonly used in behavioral research. Emphasis will be placed on practical application of statistical theories and techniques applicable to social sciences, the use of statistical computer software, and the interpretation and production of statistical tables and charts.

**SSC 419/421 Field Placement I (6)**

**F, Sp, Su**

*Prerequisites:* Senior Status. Advisor's approval. Learning through authorized, supervised work experience in the students' area of study. Student placement at appropriate, area-related work sites are conducted by.

**SSC 420/422 Field Placement II (6)**

**F, Sp, Su**

*Prerequisite:* SSC 421. A continuation of Field Placement I. Learning through authorized, supervised work experience in the student's area of study. Student placement must be authorized by the Department's field placement director, one semester before placement.

**SSC 423 Senior Project (3)**

**F, Sp, Su**

*Prerequisites:* SSC 300 and Senior Status. A culminating course for seniors in the social sciences. Seniors are required to demonstrate an understanding of their field by developing and presenting an in-depth study in their major. The topic investigated must be submitted to and approved by the advisor and instructor.

**Social Work**

**SOW 300 Introduction to Social Work (3)**

**F, Sp**

The purpose of this course is to provide students with an historical and philosophical foundation for social work practice. Emphasis will be placed introducing the ethical concepts and values of the social work profession as well as the processes and interventions that take place in micro and macro level social work practice.

**SOW 301 Human Behavior and Dynamics (3)**

**F, Sp**

*Prerequisite or Co-requisite:* SOW 300. This course examines the life course of human development within the context of social, cultural, psychological, and biological factors. Human behavior theories that focus on a life course perspective and integrate an ecosystems framework are studied. The influence of race, ethnicity, culture, gender, and socioeconomic variables on human development and behavior is examined. Person-in-environment transactions as a basis for understanding human behavior, and for social work practice are explored.

**SOW 302 Human Behavior and the Social Environment (3)**

**Sp**

*Prerequisite:* SOW 301 or permission of instructor. This course prepares students for generalist social work practice through the acquisition of knowledge, theories, and concepts about human behavior in interaction with the social environment. The course integrates knowledge culled from empirically-based sociological, psychological, and other social science theories as well as natural science theories.

**SOW 303 Social Work Research Methods (3)**

**Sp**

*Prerequisite or Co-requisite:* PSY 312/SSC 302, or permission of instructor. In this course, students are introduced to the logic and tools of the scientific method and to both qualitative and quantitative research designs. Students study the role that research plays in the design and assessment of social welfare policies and generalist social work practice. Emphasis is placed on the acquisition of the knowledge and skills needed to critique, interpret, and apply research findings. The central role of research with populations-at-risk and efforts to promote social and economic justice is examined as well as sensitivity to cultural diversity in research designs and methods. Students will examine methods of evaluating social work practice at the micro, meso, and macro levels in varied settings.

**SOW 402 Social Work as a Profession (3)**

**F, Su**

Survey of the field of social work including casework, group work, community organization, research, and administration. Case material is used to illustrate certain concepts and methods.

**SOW 405 Social Policy (3)**

**F**

*Prerequisite:* SOW 300; *Prerequisite or Co-requisite:* POL 301. The course examines the policymaking process with attention to the structure of power and decision-making at the national, state and local levels of government. The course compares the structure and interests of the public and private sector. Models for policy formulation and analysis are critiqued as well as the functions and methods of policy practice. Students explore the background and development of social services in relation to economic, policy and social change. The history of social welfare services in diverse communities in the United States and other



countries is examined. The course provides an analysis of the delivery of social services with attention directed to the development of social welfare policies and programs. Field work is utilized to examine social welfare history in local communities.

**SOW 408 Social Work Writing Techniques (1)**

**Sp**

*Prerequisite:* SOW 301; *Co-requisite:* SOW 409. This course focuses on the recording activities and relevant writing skills utilized in generalist social work practice. Students focus on applying knowledge culled from social work practice coursework and composing commonly used written venues employed by social workers.

**SOW 409 Social Work Practice I (3)**

**Sp**

*Prerequisite:* SOW 301; *Co-requisite:* SOW 408. This course introduces students to entry-level generalist social work practice, with a focus on micro and meso level interventions. A broad range of theories and the accompanying intervention strategies employed by social workers are examined. Students focus on developing generalist practice skills, with an emphasis on practice with individuals, groups, and families.

**SOW 410 Social Work Practice II (3)**

**F**

*Prerequisite:* SOW 408 and SOW 409. This course introduces students to macro-level generalist social work practice. This course engages the student in an examination of a broad range of theories that promote an understanding of organizations such as the courts and social service agencies, and communities. The role of the social worker in these settings is studied. Emphasis is placed on assisting students in the development of generalist practice skills that foster effective service delivery systems, and prompt organizational change and community/neighborhood development, when needed.

**SOW 411 Social Work Field Practicum and Seminar I (6)**

**F**

*Prerequisites:* SOW 302, SOW 303, SOW 409. During this course, students are provided with structured, supervised, field-based learning opportunities, practicing primarily with individuals, families, and groups. Students complete 200 hours of field work and attend a weekly field seminar. The focus of this course is micro-level generalist social work practice. The field setting provides practice opportunities with individuals, families and small groups, supervisory sessions with the agency-based field instructor, activities that involve collaboration with colleagues, and attendance at case staffings, staff meetings, and in-service activities. Students are required to adhere to a weekly work schedule, which may limit the amount of time off for intersession. This course is taken *concurrently* with SOW 410. Social Work Practice II.

**SOW 412 Social Work Field Practicum and Seminar II (6)**

**Sp**

*Prerequisite:* SOW 405, SOW 409, SOW 411. During this course, students are provided with structured, supervised, field-based learning opportunities, with expanded opportunities to conduct macro-level practice with large groups, organizations and communities. Students complete 200 hours of field work and attend a weekly field seminar. The focus of this course is macro-level generalist social work practice. Students are expected to continue a moderate amount of practice with individuals, families and small groups, while engaging in practice with macro-level client systems including community groups and organizations. The weekly schedule continues to incorporate sessions with the agency-based field instructor and collaborative activities with colleagues with a focus on understanding the interdependence of organizational, community systems, and social policies. Students are required to adhere to a work schedule, which precludes time off for spring break.

**SOW 413 Senior Project in Social Work (3)**

**F**

*Prerequisites:* SOW 302, SOW 303, SOW 409. This is a course for seniors majoring in social work. Seniors are required to demonstrate an understanding of the contribution of research to the social work field by conducting a single subject study or a case study. The course enables students to integrate and apply learning from previous social work courses and apply scientific reasoning to address an aspect of social work practice. This course prepares students for effective social work practice and graduate studies.

**Sociology**

**SOC 200 Introduction to Sociology (3)**

**F, Sp, Su**

A study of man in social relationships. A study of the nature, concepts and principles of sociology, society, culture, socialization, groups, institutions and organizations; class systems; social change and social processes.

**SOC 303 Social Problems (3)**

**F**

A study of the nature, extent, causes and consequences of major social problems which relate to social disorganization and pathology in American communities today. Analysis of attempts to alleviate such problems is included.

**SOC 304 Social Psychology (3)**

**F, Sp, Su**

The study of the relationship of the individual to social systems. This course surveys the effects of physical, mental, and emotional growth and development on social interaction. Social and cultural influences on behavior, attitude development, social conflict, and group processes will be investigated. Major schools of social psychological perspective are also reviewed.

**SOC 305 Group Dynamics (3)**

**F, Sp, Su**

This course focuses on the study of group interaction patterns and the role individuals play in group interaction. The course combines both theory and practice. Special attention is given to perception, communication, leadership and observation in a group setting. Other issues discussed include group goal setting, problem solving and decision-making. Students also talk about the ethical and professional issues of group therapy as well as review effective group counseling methods and techniques. Finally, issues of culture, gender, ethnicity, race and class are discussed in relation to group dynamics on European developments.

**SOC 306 Urban Social Movements (3)**

**F, Su**

This course examines different forms of collective behavior. Special emphasis is given to social movements as a form of collective behavior and as a response to social problems, values, disorganization, and deviance.

**SOC 307 Community Organization (3)**

**F, Sp, Su**

The evolution of community organizations, their structure, functions and practices. Emphasis is placed on the creation of community organizations and techniques of community organizations to meet social problems.



**SOC 308 Urban Sociology (3)**

**F, Sp, Su**

Study of the nature, causes and consequences of urbanization, the origin and development of the city, social and demographic characteristics of urban population, ecological processes, organization, functions and problems of urban communities, such as transportation, housing, homelessness.

**SOC 309 Sociology of Deviance (3)**

**Sp, Su**

This course presents an examination of the definition and nature of deviance and its function in social settings, the various forms of deviance and the historical and contemporary definition of deviance.

**SOC 400 Independent Study (3)**

**Sp, Su**

This course provides independent research of specific areas with direction and supervision of a sociology instructor.

**SOC 402 Racial and Cultural Groups (3)**

**F, Su**

An analysis of intra-group and inter-group relations from the standpoint of contemporary sociology, anthropology, and social psychology. Major theoretical developments and research problems in the field of race relations are included. The nature and types of racial and cultural groups, causes and consequences of prejudice and discrimination, democratic values and scientific facts, and approaches to resolving inter-group problems are emphasized.

**SOC 403 Marriage and Family (3)**

**Sp, Su**

A study of marriage and family as a social institution subject to the impact of biological, psychological, socio-cultural and religious-ethnic forces. Special emphasis is placed on the African American family in America.

**SOC 404 Seminar in Social Theory (3)**

**Sp, Su**

A survey of the major social theories and their relationship to social research. Theories included are those of Marx, Durkheim, Park, Sumner, Cooley, Mead, Veblen, Johnson, Frazier, Weber, Parsons and others.

**SOC 405 Survey Research (3)**

**F, Su, Su**

*Prerequisite: SSC 300.* This course provides an opportunity for exploring and utilizing survey research techniques. Opinion polls, telephone surveys, mail questionnaires, panel studies and others are investigated.

**SOC 406 Contemporary Black America (3)**

**F, Sp, Su**

This is an intensive reading course which examines historical, social, political, and economic factors affecting those of African descent living in America today. This course focuses on African Americans, Africans, South Americans, and individuals from the Caribbean islands in America.

**SOC 408 African American Women in American Society (3)**

**F, Sp**

This is an intensive reading and writing course, which traces the historical, social, and political roles and perspectives of African American women.

**SOC 421 Field Placement I (6)**

**F, Sp, Su**

Supervised on-site learning experiences. Student placement at appropriate sites are conducted by the field placement director. Regular seminars are held to discuss agency experiences and to provide feedback. Authorization for placement must be obtained from the field placement director one semester before

placement. Registration and planning with the field placement director must be completed one semester prior to placement.

**SOC 422 Field Placement II (6)**

**F, Sp, Su**

*Prerequisite:* SOC 421. A continuation of Field Placement I. Students learn through authorized, supervised work experience in sociology. Student placement in appropriate agencies or organizations is conducted by the School/Department's field placement director.

**SOC 431 Seminar in Drug Abuse (3)**

**F, Su**

An introduction to the field of substance abuse and drug abuse counseling. Students study types of drugs, classification of drugs, the effects of drugs, drug abuse, and counseling modalities. Students identify local, state and national resource persons in the area of substance abuse.

**SOC 450 Sociology of Religion (3)**

**Sp, Su**

*Permission of chairperson required.* Emphasis is given to the sociological foundation and development of major denominations, the Black church, and cults. The course is offered to majors in Social Science and Religion and Philosophy.

**Spanish**

**SPA 201 Elementary Spanish I (3)**

**F, Sp, Su**

*Prerequisite:* Successful completion of ENG 101. This course and its sequel, SPA 202, constitute the basic sequence in Spanish. Emphasis is on the development of competence in the language. NOT open to native or near-native speakers of Spanish.

**SPA 202 Elementary Spanish II (3)**

**F, Sp, Su**

*Prerequisite:* Successful completion of SPA 201. This course completes the sequence in the Spanish language core requirement. It prepares students for advanced course work in Spanish if desired. NOT open to native or near-native speakers of Spanish.

**SPA 301 Intermediate Spanish I (3)**

**F, Sp, Su**

*Prerequisite:* SPA 202. This course is a continuation of Spanish 202 stressing improved fluency in spoken and written Spanish as well as reviewing and developing a greater understanding of the structure of the Spanish language. It includes an emphasis on Hispanic culture. NOT open to native speakers of Spanish (See FM Language Requirement).

**SPA 302 Intermediate Spanish II (3)**

**Sp, Su**

*Prerequisite:* SPA 301. This course is a continuation of SPA 301 designed to improve fluency in spoken and written Spanish as well as to review and develop a greater understanding of the structure of the Spanish language. It includes an emphasis on Hispanic culture. NOT open to native speakers of Spanish (*See FM Language Requirement*).

**SPA 308 Advanced Spanish Composition (3)**

**F**

*Prerequisite:* SPA 302 or permission of instructor. A further review of Spanish grammar and its application in written exercises, focusing on personal, journalistic, and academic topics.

**SPA 311 Advanced Spanish Grammar (3)**

**Sp**

*Prerequisite:* SPA 302 or 324. A further review of Spanish grammar and its application in written exercises focusing on personal, journalistic, and academic topics.

**SPA 312 Peninsular Culture and Civilization (3)**

**F**

*Prerequisite:* SPA 302 or 312 or 324. A survey of the most important aspects of Peninsular (European) Spanish culture, including geography, history, folklore, and social customs of the people of Spain.

**SPA 313 Hispano-American Culture and Civilization (3)**

**Sp**

*Prerequisite:* SPA 302 or 312 or 324. A survey of the most important aspects of Hispano-American culture, including geography, history, folklore, and social customs of the people of the former colonies of Spain.

**SPA 314 Survey of Peninsular Spanish Literature (3)**

**F**

*Prerequisite:* SPA 302 or 324. A survey of representative examples of the most important literary works of Spain from *El Cid* through the 20th century.

**SPA 315 Survey of Hispano-American Literature (3)**

**Sp**

*Prerequisite:* SPA 302 or 324. A survey of representative examples of the most important literary works of Hispano-America.

**SPA 309 Business Spanish (3)**

**Sp**

*Prerequisite:* SPA 302 or 312. Concentrated practice in the vocabulary and style of commercial correspondence and other business documents as used in present day Spain and Hispano- America. This course is designed to improve skills in Spanish for native speakers and others desiring to improve professional communication in the world of commerce.

**SPA 319 Advanced Spanish Reading and Conversation (3)**

**F**

*Prerequisite:* Successful completion of ENG 101. Concentrated practice in speaking skills at the advanced level. This course requires intensive reading, conversation and oral presentations in Spanish. Designed primarily for future teachers. Open ONLY to native speakers or students with near native fluency.

**SPA 323 Spanish for Native Speakers I (3)**

**F**

*Pre-requisite:* Successful completion of ENG 101. This course is intended for native Spanish speakers having little or no formal course work in Spanish in high school. It covers spelling and grammar, focusing on problems faced by native speakers as well as readings and practice in writing compositions in Spanish (see FM Language Requirement).

**SPA 324 Spanish for Native Speakers II (3)**

**Sp**

*Pre-requisite:* Successful completion of ENG 101 and SPA 323. This course is a continuation of SPA 312 and focuses on readings and practice in writing compositions in Spanish. It includes a variety of written materials found in magazines, newspapers and literature. Concentrated practice in developing writing skill (see FM Language Requirement).

**SPA 370 Spanish Study Abroad (3-6)**

**Su**

This course offers a total immersion in Spanish language and culture through basic conversations, readings, and written work. It focuses on fundamental grammar and on the culture and folklore of the host country. School/Department approval required.

**SPA 371 Intermediate Spanish Study Abroad (3-6)**

**Su**

*Prerequisite: SPA 202 or equivalent.* This course offers a total immersion in Spanish language and culture through intermediate level conversations, readings, and writings. It focuses on intermediate level writing and grammar. Class discussions will cover contemporary Hispanic cultural issues as well as the history and folklore of the host country. School/Department approval required.

**SPA 401 The Hispanic Novel (3)**

**F**

A survey of the Novel in Spain and Hispano-America. Periods and authors will be specified by the instructor.

**SPA 403 El Siglo de Oro (3)**

**Sp**

*Prerequisite: SPA 302 or 324.* A survey of the major works of Golden Age of Spanish literature (c. 1520-1650) with particular emphasis on the works of Fray Luis de León, Lope de Vega, Luis de Góngora, Francisco de Quevedo and Pedro Calderón de la Barca.

**SPA 407 Cervantes (3)**

**F**

*Prerequisite: SPA 302 or 324.* An examination of the major works of Miguel de Cervantes Saavedra with special attention to *El Quijote* and its influence on the development of the modern novel.

**Theatre**

**THE 181 Theater Ensemble I (3)**

**F**

Practical experience in theater production, including design, casting, directing, lighting, technical support and public performance, under faculty supervision.

**THE 182 Theater Ensemble II (3)**

**Sp**

Continuation of THE 181.

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## UNIVERSITY INDEX

### A-C

Academic Affairs, 39  
Academic Appeal, 43  
Academic Calendar, 4  
Academic Dismissal, 43  
Academic Honor Code, 57  
Academic Honors, 53  
Academic Progress, 43  
Academic Probation, 43  
Academic Regulations, 40  
Academic Standing, 43  
Academic Suspension, 43  
Academic Warning, 43  
Access to Student Records, 16  
Accounting, Major in, 167  
Accreditation, 11  
Add, Drop and Withdrawal, 55  
Admissions, 18  
Advance Placement (AP), 21  
Aeronautical Science, Major in, 74  
African American Studies, Minor in, 115  
Airway Science, Major in, 79  
Attendance Policy, 50  
Aviation Safety, Minor, 76  
Anti-Hazing Policy, 30  
Articulation Agreement, 45  
Auditing a Course, 56  
Biology, Major in, 98  
Biology, Minor in, 119  
Biology w/Concentration in Radiobiology, Major in, 107  
Biology Education, 181  
Biology/Nursing, Major in, 100  
Business Administration, Major in, 169

Business Administration, Minor in, 176  
Campus Directory, 16  
Campus Facilities and Resources, 13  
Campus Map, vi  
Career Development, 38  
Center for Academic Advisement and Retention, 68  
Center for Urban Environmental Studies, 62  
Change of Grades, 52  
Chemistry, Major in, B. A., 109, B. S., 110  
Chemistry, Minor in, 120  
Chemistry w/ Concentration in Radiochemistry, Major in, 112  
Classification of Students, 57  
College Level Examination Program (CLEP) Policies, 47  
Communications, Major in, 122  
Communications, Minor in, 125  
Computer Information Systems, Major in, 83  
Computer Information Systems, Minor in, 86  
Computer Science, Major in, 87  
Computer Science, Minor in, 90  
Concurrent Enrollment, 57  
Core Curriculum, 70  
Course Cancellation, 55  
Course Descriptions, 215  
Credit by Examination, 42  
Credit for Life Experience, 46  
Criminal Justice, Major in, 135  
Criminal Justice, Minor in, 141

## **D-G**

Deferred Payment Plan, 37  
Degree Programs, 40  
Developmental Courses, 67  
Dual-Hospitality Mgmt Program, 164  
Dual Majors, 50  
Ecology, Minor in, 120  
Elementary Education/ESOL(K-6), Major in, 185  
English, Major in, 126

English, Minor in, 129  
Environmental Studies, Major in, 114  
Environmental Science, Minor in, 120  
Exam Permit, 36  
Exceptional Student Education/ESOL , Major in, 189  
Faculty, 321  
Family Educational Rights & Privacy Act (FERPA), 59  
Finance, Major in, 172  
Finance, Minor in, 177  
Financial Aid, 22  
Financial Information, 32  
Foreign Language, Minor in, 129  
Freshman and New/Transfer Student Orientation, 29  
Freshman Studies, 66  
Grade Appeal, 52  
Grade Reports, 52  
Grading System and Quality Points, 51  
Graduation Requirements, 49  
Grants and Sponsored Research, 63  
Grievance Procedure for Students, 30

## **H-L**

Health Ed, Minor, 220  
History, Minor, 151  
Homeland Security, Minor, 77  
Honor Societies, 53  
Honors Program, 71  
Human Resource Management, Minor in, 177  
Institutional Research, 64  
Institutional Statement of Purpose, 10  
Interdisciplinary Studies, Major in, 163

## **M-P**

Mgmt Info Systems, Major in, 91  
Mgmt Info Systems, Minor in, 94  
Marketing, Major in, 174

Marketing, Minor, 177  
Mathematics, Major in, 95  
Mathematics, Minor in, 97  
Memberships and Affiliations, 12  
Middle Grades English/ESOL Education(5-9), Major in, 193  
Middle Grades Mathematics Education(5-9),Major in, 197  
Middle Grades Science (5-9),Major in, 201  
Music Education K-12, Major in, 204  
Music, Major In, 159  
Music w/Elective Studies, Major in, 162  
Music, Minor in, 161  
Music, Church Music, Major in, 156  
Music, Jazz Studies, Major in, 158  
Physical Education (K-12), Major in, 208  
Physics, Major in, 115  
Physics, Minor in, 120  
Physics-Engineering Program, Major in, 118  
Poli Sci/Public Admin, Major in, 139  
Poli Sci/Public Admin, Minor in, 141  
Pre-College/Development Studies Program, 69  
Pre-Hospitality Management, Major in, 176  
President's Leadership Team, 321  
Professional & Administrative Staff, 329  
Psychology, Major in, 142  
Psychology, Minor in, 152

## **R-S**

Re-admission, 22  
Refunds or Adjustments, 37  
Refunds Schedule, 37  
Registration, 55  
Religion and Philosophy, Major in, 130  
Second Baccalaureate Degree, 50  
Secondary English Education (6-12), Major in, 212  
Secondary Mathematics Education(6-12), Major in, 216  
Service Charges, 33  
Services Charges, Description of, 34

Social Work, Major in, 145  
Social Welfare, Minor in, 152  
Sociology, Major in, 149  
Sociology, Minor, 153  
Special Stipulations, 36  
Statement of Disclosure, iv  
Student Affairs, 18  
Student Records, 58

## **T-Z**

Testing Center Services, 69  
Transfer Credits from Int'l Institutions, 20, 49  
Transfer of Credits Policy, 44  
Transient Permit, 57  
Trustees, Board of, 319  
Tuition and Fees, 32  
Tuition and Fees, Payment of, 35  
University Library and Services, 63  
University Personnel, 321  
Veteran Affairs, 62  
Visual Arts, Minor in, 162